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CNET OPN AUTOMATED BUDGET SYSTEM (COABS)

MARCH 1981

FOCUS ON THE TRAINED PERSON

TRAINING ANALYSIS AND EVALUATION GROUP
ORLANDO, FLORIDA 32813

Technical Memorandum 81-3

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CNET OPN AUTOMATED BUDGET SYSTEM (COABS)

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March 1981

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This document presents the Chief of Naval Education and Training Other Procurement, Navy Automated Budget System (COABS), developed by the Training Analysis and Evaluation Group. It is a guide for Naval Education and Training Command personnel to use in handling the large volume of data necessary to produce budget documents required by higher headquarters in support of the CNET OPN budget. →

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20. ABSTRACT (continued)

The document describes the following five subsystems:

- Equipment Requests
- Initial Spare Parts
- Training Device Modifications
- Devices > $900,000
- Exhibit P-1.

ACKNOWLEDGMENTS

Appreciation is extended to Mr. Jack Heyl, Assistant Chief of Staff for Resource Management, Chief of Naval Education and Training (N-6), and his staff, particularly Mr. William Rayburn III, Mrs. Pat Wood, and Mrs. Ina Gates for their support and guidance in the development of this system.

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INTRODUCTION

The annual preparation and presentation of the Chief of Naval Education and Training (CNET) Other Procurement, Navy (OPN) budget has heretofore been accomplished manually. Each time the Navy Comptroller requires an OPN budget package, a call is issued to each major claimant in the form of a NAVCOMPT Notice 7111. Preparation of this budget package requires many hours of typing, alphabetizing, calculating, and retyping. In order to reduce the time and the paperwork invested in this operation, the Assistant Chief of Staff for Resources Management (CNET N-6) articulated the need for computer support to automate the preparation and submission of the OPN budget package. The task of developing the software for an automated system was assigned to the Training Analysis and Evaluation Group (TAEG) by CNET (N-6) in August 1980. Initial delivery of the software was made in December 1980.

This document presents the TAEG developed CNET OPN Automated Budget System (COABS). It provides a guide for Naval Education and Training Command (NAVEDTRACOM) personnel for using COABS in the OPN budget preparation cycle.

OVERVIEW OF THE CNET OPN AUTOMATED BUDGET SYSTEM (COABS)

The COABS is a companion system of the CNET Automated Budget System (CABS) II described in TAEG Report No. 85 [1]. As with CABS II, the purpose of COABS is to provide an efficient, easy means of handling the large volume of data necessary to produce budget documents required by higher headquarters in support of the CNET OPN budget. Figure 1 displays the COABS system diagram. Figure 2 presents the subsystems that comprise the COABS. Five options may be selected by the user via the Master Menu. When an option is selected the subsystem appears on the display as a list (menu) of additional options which allows the user to insert, update, delete, or analyze various budget data elements. A major part of each subsystem is the various print options that allow a user to obtain a "hardcopy" of the data which may be needed for analysis or reports.

[1] Morris G. Middleton, Gary W. Hodak, and Charles R. Guitard. The CNET Automated Budget System (CABS) II, TAEG Report No. 85, April 1980, Training Analysis and Evaluation Group, Orlando, FL 32813.

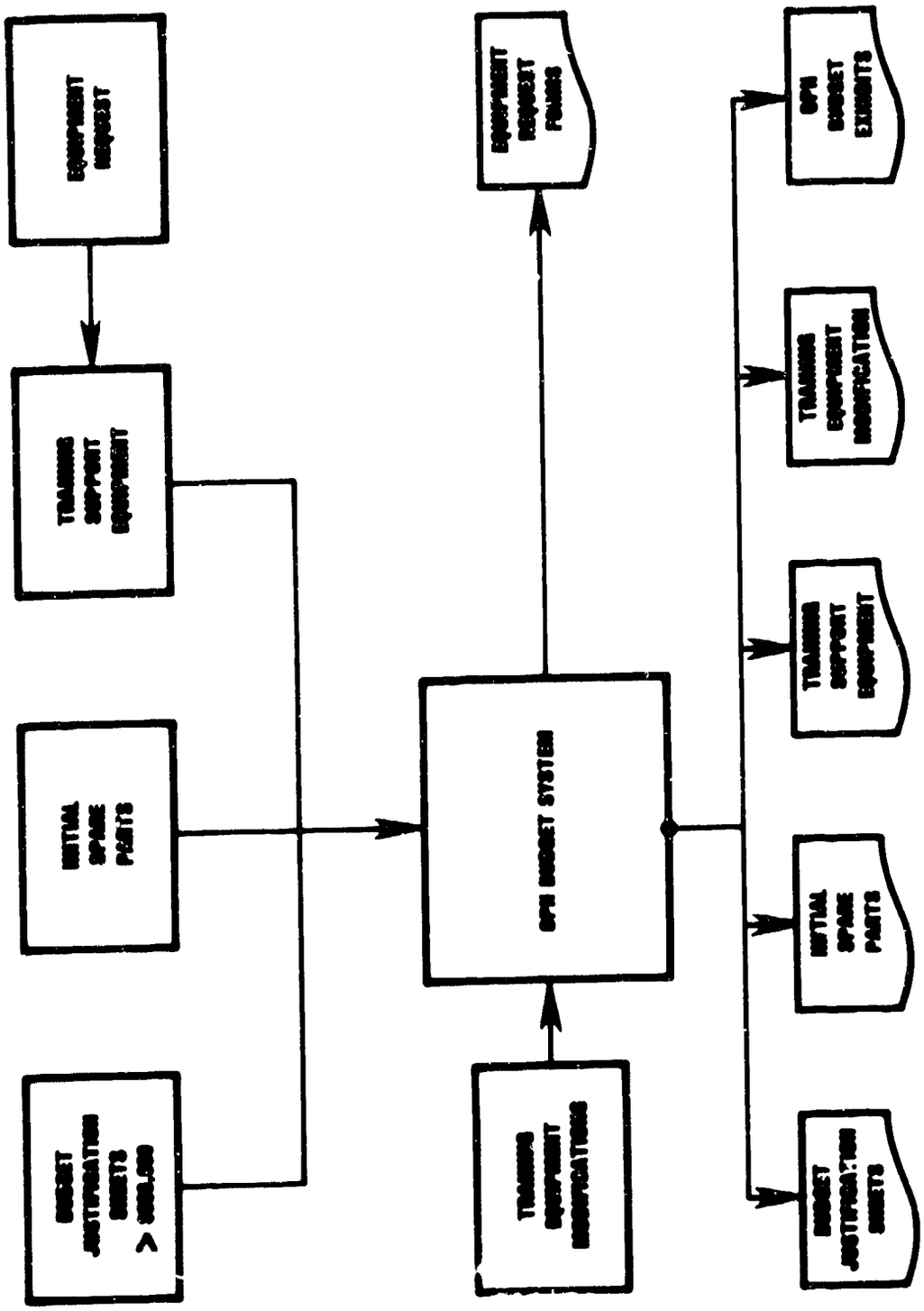

Figure 1. System Diagram for the CSSET OPN Automated Budget System.

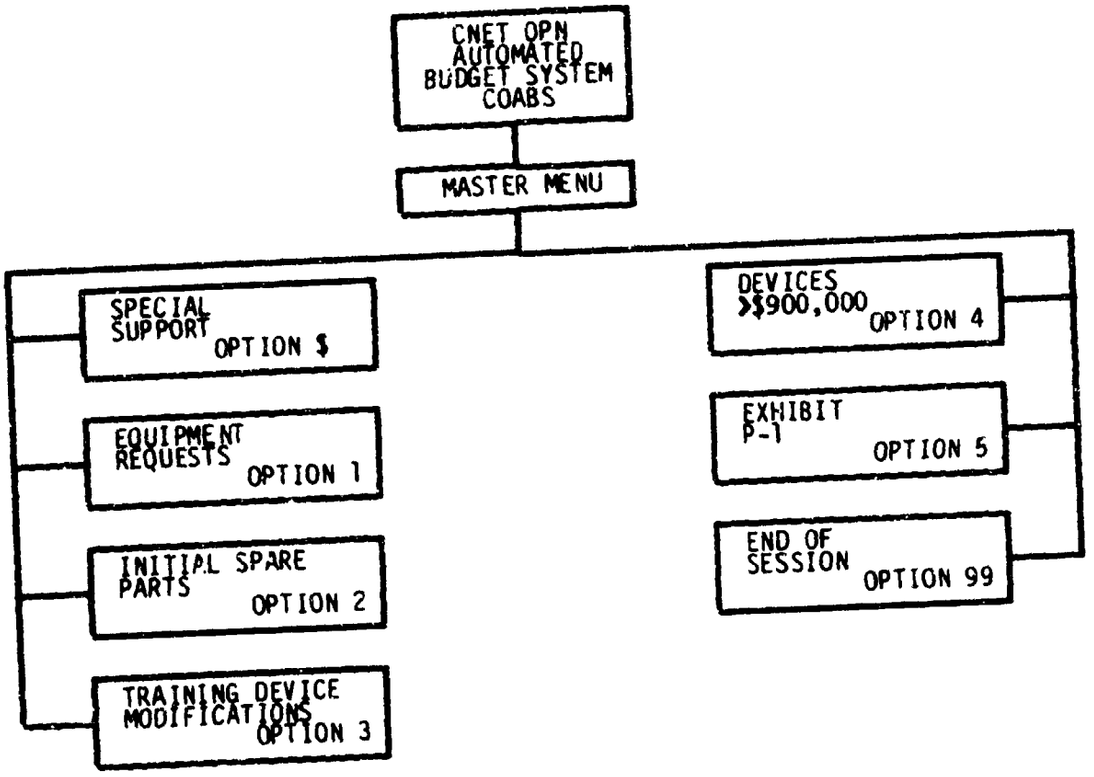

Figure 2. CNET OPN Automated Budget System Overview

The system is designed to be highly interactive and user oriented; thus, numerous messages and instructions are provided throughout to aid the user. As in the CABS II, this system is designed to accommodate a variety of users in both the initial insertion of data as well as in the analysis of these data. Personnel interested in only one portion of the COABS need not know how to use the options for which they have no requirement (although procedures are similar).

The operating environment and special support software deserve special attention. The COABS software is written in BASIC-2 and designed to operate on a WANG 2200 VP or WANG 2200 MVP computer in either a multiplexed or nonmultiplexed disk environment. All models of currently available WANG disks are supported. The COABS uses an appropriate version of the Key File Access Method Seven (KFAM-7), based on system configuration for indexing the files of the subsystems. Full record protection is afforded by KFAM-7 only in the nonmultiplexed version. Therefore, COABS users should take precaution so that no two users will be attempting to update the same record simultaneously when operating in the multiplexed mode. Users should take further precaution so that no two users are operating on the same subsystem in both the multiplexed and nonmultiplexed modes. The KFAM-7 programs used with the COABS have been modified to support additional error recovery tables. Therefore, only the KFAM-7 programs supplied with the COABS should be used.

In a multi-user environment, COABS assigns a unique station number to each user. This station number, along with the current date and disk address of the data files, is displayed in the upper right corner of the master menu and all subsystem menus.

SPECIAL SUPPORT. The special support software consists of programs to initialize files, merge data records, and provide error recovery. Two special support options are available to reset the access tables. Without a password, the COABS user may only reset the access table for his or her station. The reset access table options should only be used if one or more files have been left open. Under normal conditions, a file will never be left open. However, this situation may occur if there is a hardware or power failure. In the event that files are left open, the COABS user should contact TAEG personnel prior to resetting the access table for the first time. The file maintenance

and error recovery procedures should only be used by the experienced COABS user after obtaining detailed instruction from TAEG personnel.

DATA BASE ORGANIZATION. As noted earlier, the COABS consists of 5 subsystems along with special support software. Each subsystem contains one or more data files. Every subsystem contains data records related to a particular budget exhibit. The only exception is the data files for devices costing more than $900,000. The file containing the information for the budget justification sheets is the only file in the subsystem which has the device name and other pertinent information. Because of this, all printing of data records in this subsystem uses the budget justification file as an index file. Therefore, if a device is not in the budget justification file, its data will not print out even though the correct data are in the procurement history or detail justification files.

EDIT OPTIONS FOR NUMERIC DATA. The input/edit programs enable the COABS user to enter data into the various subsystem data files. Data are initially entered into a subsystem data file using the input mode. Once a data record, indexed by a unique key required by that subsystem, has been entered into a subsystem data file it may be changed using the edit mode.

Every effort was made to make all the input/edit programs of the budget exhibits operationally identical. However, because of differences in the various budget exhibits, it was not possible to make all input/edit programs functionally the same. The features that are identical for all budget exhibits are discussed in the following paragraphs.

All input/edit programs allow changes to be made to data currently displayed on the CRT screen by entering the appropriate code on a prompt line. The prompt line(s) is always located at the bottom of the CRT screen. All budget exhibits' data lines that may be edited are prefixed by a number. The data elements on a particular line may be changed by entering the line number

followed by pressing the RETURN key. This will cause the cursor to move to the first data element on the appropriate line. At this time the user may change the data element or skip it by pressing the RETURN key. For a line of all numeric data, a "D" preceding a value may be entered to duplicate all similar data elements to the right of the field containing the "D". The user may exit from a line currently being edited by entering an "E" as the first character in the current field and pressing the RETURN key. This action will return the cursor to the prompt line. The input/edit programs automatically return the cursor to the prompt line following the editing of the last data field on a line. In order to change a record's key the user must enter the number that prefixes the line the key data is on, usually line 1.

Several other codes may be entered on the prompt line. The user can obtain a hardcopy of the record currently being edited by entering a "P". Once the user has made all necessary changes to a record, the record may be permanently changed by entering a zero (0). In the event that a record is called up and changed by mistake, the user can enter an "A" to return to the key prompt without saving the changed data on the disk.

There are several exceptions to the preceding discussion dictated by differences in the various budget exhibits. These exceptions along with additional prompt line codes are discussed in detail in the sections describing each budget exhibit.

The user may delete a record considered invalid or saved accidentally from the subsystem data file by selecting the "DELETE EXISTING RECORDS" option from the subsystem input/edit menu. When deleting devices from the detail justification exhibit, all change records in the change file under the specified device and fiscal year will also be deleted.

EDIT OPTIONS FOR TEXT DATA. Many of the exhibits in the COABS require paragraphs of device descriptions, impacts, justifications and so forth. When the user selects a number on the prompt line that prefixes a description or text item, the prompt line is replaced by a message which says:

```
PRESS FN OR STATEMENT NUMBER KEY WHEN FINISHED TEXT EDITING.
```

The cursor now moves to the first space of the text input field. The user is now able to type the data item as if using a regular typewriter. There are many added features which make the entry even easier. The backspace key will erase each character as it is backspaced over. The edit keys at the very top of the keyboard offer special editing functions. The keys are numbered 0 to 15 for the unshifted state and 16 through 31 when shifted. Table 1 explains how certain keys affect the cursor or the text buffer.

TABLE 1. SPECIAL FUNCTION KEYS

4	Put cursor at the end of the text buffer.
5	Move cursor down one line.
6	Move cursor up one line.
7	Put cursor to the beginning of the text buffer.
8	Erase text buffer from cursor to end of buffer.
9	Delete the character underlined by the cursor.
10	Insert one space to left of character underlined by the cursor
11	Move cursor five spaces to right.
12	Move cursor one space to right.
13	Move cursor one space to left.
14	Move cursor five spaces to left.
15	Return to last menu.
25	Delete the line that the cursor is underlining.
26	Insert a line above the line the cursor is underlining.

When finished editing the text, the user must press the FN key (MVP terminals) or statement number key (VP terminals) to bring the cursor back to the original prompt line. Both of these keys are located in the upper left corner of the keyboard next to the numeral 1 key.

NOTE

For all text items that appear on the CRT screen that exceed an 80 character line length, the screen will only display the first 80 characters and truncate the remainder until the screen is scrolled to show the remainder. The screen displays in this report demonstrate this.

For the text items in the equipment request file the maximum line length is 80 characters. Since the CRT screen is 80 characters wide, the user is able to type the text exactly as it would appear on a sheet of paper. All other text items have a line length greater than 80 characters. The user is still able to type as if using a long sheet of paper, but the user will notice that at the end of 80 characters, the screen will scroll to the left. In this way, the user can see the page as it will appear even though the line is longer than a CRT screen. All editing features work the same despite the line length.

COABS OPERATING PROCEDURES. When the user gets ready to use the COABS, it has been assumed that either the user or someone else has turned on all necessary hardware. The CRT screen should be displaying the message below:

```
READY (BASIC-2)
:
```

To begin using COABS, the user should type in the following commands:

```
SELECT DISK xxx* (RETURN)
LOAD RUN         (RETURN)
```

(*) where "xxx" is replaced by the appropriate disk address.
Upon completion of this step, the following screen display will appear:

```
Welcome to OPN Automated Budget System.
Please enter Today's Date (mm/dd/yy):   /  /
```

Enter the date required in a series of three two digit numbers. Zero fill fields containing a single digit. After the date is entered the following four prompts will appear as the RETURN key is touched:

```
Please enter the address of the printer on which you
wish to receive hardcopy output:  215

Please enter the address of the disk drive on
which OPN PROGRAMS are located:  D32

Please enter the address of the disk drive on
which OPN DATA is located:  D32

Enter the Budget Year for this Submission:  82
```

The system has been set up to default through these prompts so if there are no changes to be made to the default responses, pressing RETURN four times will allow the user to proceed to the next entry required. The screen now displays:

```
Please enter your USER ID CODE:
```

The USER ID CODE can be any sequence of up to 10 characters. It is recommended that the user's name or initials be used. Pressing RETURN

will cause the screen to display the following:

```
1.  Congressional Submission      2.  Apportionment Submission
3.  Navcompt Submission           4.  OSD/OMB Submission

Enter the number of the current submission:
```

After the submission number is entered and RETURN has been pressed, the screen will display a CONFIGURATION CHECK similar to the one shown below:

```
OPN Automated Budget System:  CONFIGURATION CHECK     12/10/80 1 D25
   To the best of my knowledge we have the following configuration:

      Program Disk Address:  D25          Data Disk Address:  D25
      Line Printer Address:  215          Data Disk is: . . SHARED
      System CPU Type:   2200MVP          Operating System Release: 2.1
      KFAM Configuration:  MUX            USER ID: . . . . . CMT

 ------------------------------------------------------------------



          (Configuration errors, if any, will appear here.)



          * Touch RETURN(EXEC) to Proceed to the MASTER MENU
2200MVP   * To Start Over Touch Special Function Key 15 (RECALL) MUX
```

The user can now check correct entry of disk and printer addresses. The user should also note any configuration errors which are displayed with instructions on how to proceed in the normally empty lower half of screen display. If entries are correct, the user should press RETURN. If there is an entry error, the user should press special function key 15 (RECALL).

Pressing RETURN will cause the screen to display the MASTER MENU (see figure 3). The user may now select one of the five subsystems to work with.

NOTE

1. It is very important that each user, at the end of his/her session select option 99. This clears the user's name from the user table and reselects the device table back to the system defaults.
2. Touching special function key 15 is the safest way to exit a subsystem if program execution stops for any reason. This ensures files are closed thereby preventing access mode conflicts later on.

The remainder of this report describes each of the five subsystems available with COABS.

```
OPN Automated Budget System: MASTER MENU   page 1    12/10/80 1 D25

 Option |      Description of Subsystem
    $   |  Special Support

    1   |  Equipment Requests
    2   |  Initial Spare Parts
    3   |  Training Device Modifications
    4   |  Devices >$900,000
    5   |  Exhibit P-1

   99   |  END of Session

 Enter Option:


2200MVP  * To Start Over Touch Special Function Key '15 (RECALL) MUX
```

Figure 3. COABS Master Menu

EQUIPMENT REQUESTS SUBSYSTEM (MASTER MENU OPTION 1)

Figure 4 shows the various options available to the user of the Equipment Requests subsystem.

Selecting option 1, Equipment Requests, from the MASTER MENU, followed by pressing RETURN will result in the following menu.

```
***  CNET-N6  EQUIPMENT REQUEST SUBSYSTEM MENU  ***  12/10/80 1 D25

  OPTIONS >
    1     -  Input/Edit EQUIPMENT REQUEST DATA        (ERF.EDIT)
    2     -  Print      EQUIPMENT REQUEST Reports     (ERF.PRNT)
    3     -  Print      DETAILED SHOPPING LIST        (ERF.SORT)
    4     -  Print      EQUIPMENT REQUEST Forms       (ERF.FORM)
    5     -  Edit       TRAINING SUPPORT BJS DATA     (ERF.BJS)

   99     -  RETURN TO MASTER MENU                    (PROCURE)


  Enter Option:
```

OPTION 1 - INPUT/EDIT. Selecting option 1 from this menu followed by pressing RETURN will result in the following display:

```
      ****  EQUIPMENT REQUEST INPUT/EDIT PROGRAM  ****

  OPTION NO.                        DESCRIPTION
     1                  ENTER NEW EQUIPMENT REQUESTS
     2                  EDIT EXISTING EQUIPMENT REQUESTS
     3                  DELETE EXISTING EQUIPMENT REQUESTS

    99                  RETURN TO EQUIPMENT REQUEST MENU

  ENTER DESIRED OPTION



 NOTE--> IN CASE OF ERROR PRESS SPECIAL FUNCTION KEY 15
```

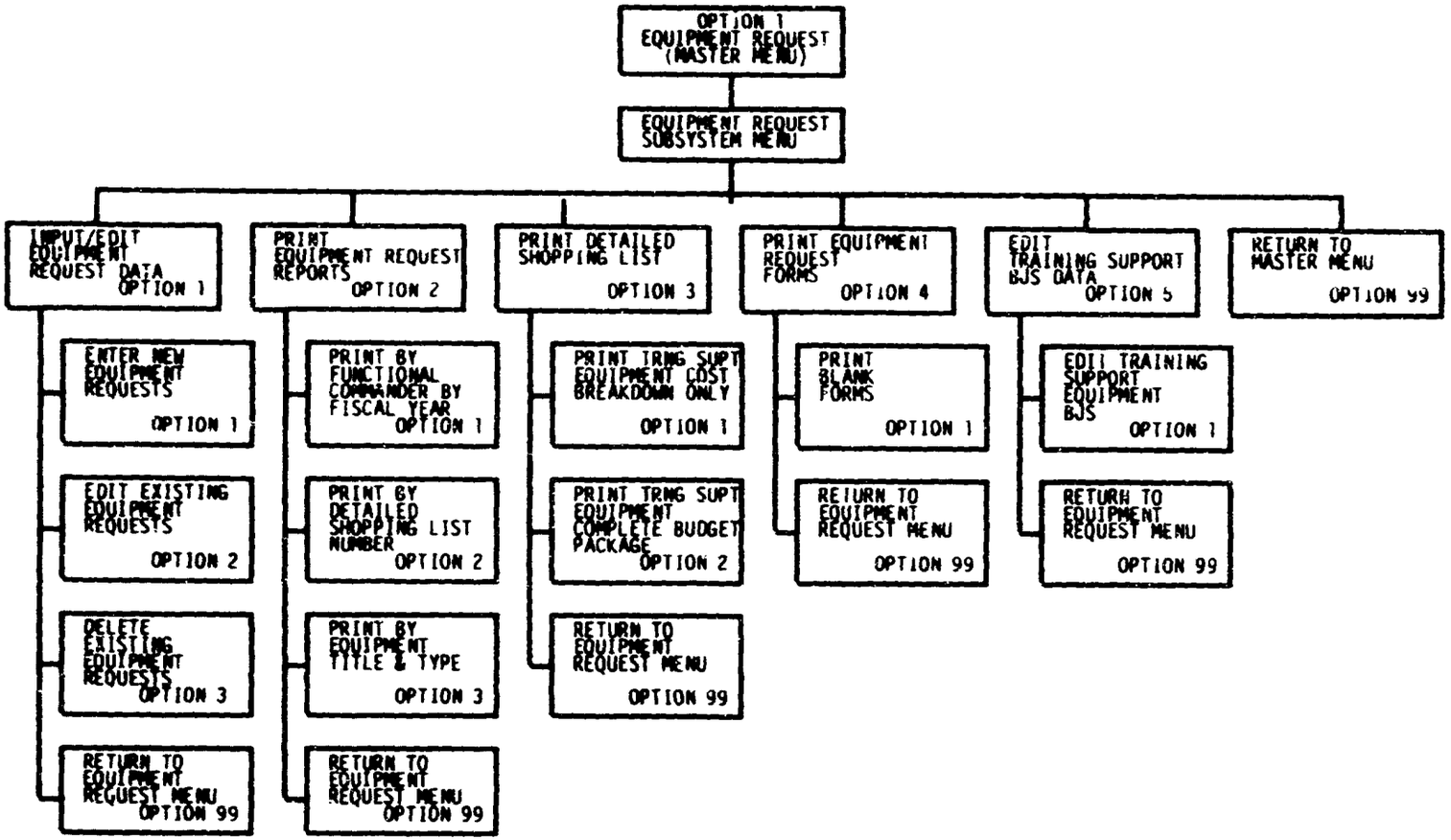

Figure 4. Equipment Request Subsystem

Selecting option 1, 2, or 3 from this menu, followed by pressing RETURN will result in the following display:

```
        **** EQUIPMENT REQUEST INPUT/EDIT PROGRAM ****
                  EQUIPMENT REQUEST INPUT MODE

      ENTER FUNCTIONAL CDR TO INPUT OR RETURN


    List of Functional Commanders:
  1 CNATRA     | 2 CNTECHTRA  | 3 COMTRALANT | 4 COMTRAPAC  | 5 NTEC
  6 .........  | 7 .........  | 8 .........  | 9 .........  | 10 ....
 11 .........  | 12 .........  | 13 .........  | 14 .........  | 15 ....
 16 .........  | 17 .........  | 18 .........  | 19 .........  | 20 ....
 21 .........  | 22 .........  | 23 .........  | 24 .........  | 25 ....
 26 .........  | 27 .........  | 28 .........  | 29 .........  | 30 ....
```

If the functional commander desired appears in the list of functional commanders, the user may enter the number beside the entry instead of typing in the entire name. If the name is not in the table, the user should type in the name. After RETURN is pressed, the screen will display the following:

```
Do You Wish to Add (Y/N) ?
```

To add a new functional commander name to the list, the user should enter Y and touch RETURN. This will add the name to the list in the first empty location. After the user finishes using this program, the list is sorted in alphabetic order and saved in a disk file.

After the functional commander is entered and RETURN is pressed, the screen will display the following prompts, one at a time, when the response is entered and RETURN is pressed.

```
ENTER APPLICABLE FISCAL YEAR ----------------
ENTER TYPE EQUIPMENT CODE -------------------
ENTER NUMBER OF ITEM ------------------------
```

The applicable fiscal year is self-explanatory. The type equipment codes are as follows:

```
T - TRAINING SUPPORT EQUIPMENT
L - LOGISTICS SUPPORT EQUIPMENT
I - IPD EQUIPMENT
V - AUDIOVISUAL EQUIPMENT
A - ADP EQUIPMENT
```

The number of item is a four digit number that makes this record unique from all other records of the same functional commander, equipment type, and fiscal year.

Once the last RETURN is pressed, the screen will display information similar to that shown below:

```
          ****  EQUIPMENT REQUEST INPUT/EDIT PROGRAM  ****

1 FC CDR:NTEC  FY:82 TYPE EQMT:T  NUMBER:1234   DATE REV:12/10/80

2 FROM: NTEC                                    FCDR PRI: 2 OF 20
3 END USER: VARIOUS                             ACTV PRI: 1 OF  5
4 EQUIPMENT TITLE: Minor Cog 2"O" Training Aids/Devices
5 NEW ADDITIONAL X REPLACEMENT QTY ON HAND:1234 QTY REQUESTED:221
6 BASIS FOR DETER COST: GSA Catalog             TTL COST: 145000
7 DESCRIPTION/NOMENCLATURE/MODEL NUMBER/VENDOR:
Various training aids/devices costing less than $3000 each, and in-
cluded in the Cog 2"O" inventory for centralized management purposes.



8 IMPACT, IF NOT FUNDED:
Without these training aids/devices, various curriculum objectives
cannot be fully accomplished.

ENTER LINE #,A TO ABORT,P TO PRINT,0 TO SAVE,RETURN FOR NEXT PAGE
```

Pressing RETURN from this display will cause the screen to display information similar to the following:

```
          ****  EQUIPMENT REQUEST INPUT/EDIT PROGRAM  ****

1 FC CDR:NTEC  FY:82  TYPE EQMT:T  NUMBER:1234  DATE REV:12/10/80

2 PURPOSE/JUSTIFICATION:
Without these training aids/devices, various curriculum objectives
cannot be fully accomplished.  This training equipment will be used
to provide the students with a realistic understanding of basic
principles and concepts.



ENTER LINE #,A TO ABORT,P TO PRINT,0 TO SAVE,RETURN FOR NEXT PAGE
```

Pressing RETURN will cause information similar to that shown below to be displayed:

```
        ****  EQUIPMENT REQUEST INPUT/EDIT PROGRAM  ****
1 FC CDR:NTEC   FY:82   TYPE EQMT:T   NUMBER:1234   DATE REV:12/10/80
2 FOR CNET USE ONLY
This equipment is required due to a number of reasons.



ENTER LINE #,A TO ABORT,P TO PRINT,0 TO SAVE,RETURN FOR NEXT PAGE
```

Data entry/edit options are the same as those described in the OVERVIEW under EDIT OPTIONS.

For option 3 of the Equipment Requests input/edit menu, entering the four initial required responses will cause that specific record to be deleted from the Equipment Requests file.

OPTION 2 - PRINT DATA REPORTS. Selecting option 2 from the Equipment Requests menu will result in the following display:

```
                EQUIPMENT REQUEST PRINT MENU

OPTION NO.                    DESCRIPTION

    1          PRINT BY FUNCTIONAL COMMANDER BY FISCAL YEAR
    2          PRINT BY DETAILED SHOPPING LIST NO.
    3          PRINT BY EQUIPMENT TYPE AND TITLE

   99          RETURN TO SUBSYSTEM MENU



ENTER DESIRED OPTION
```

Selecting option 1, 2, or 3 from the above menu followed by pressing RETURN will cause the screen to display the following:

```
DO YOU WANT TO PRINT 1) ENTIRE RECORDS OR 2) SUMMARY ONLY?
```

Selecting option 1 from the above question followed by pressing RETURN will cause the screen to display the following:

```
DO YOU WANT TO PRINT IMPACT (Y/N)?
```

Answering this question, followed by pressing RETURN, or selecting summary only will cause the screen to display:

```
ENTER STARTING FUNCTIONAL CDR
               SHOPPING LIST NO.  OR RETURN FOR BEGINNING
               LETTER OF ALPHABET
```

When RETURN is pressed the screen will display:

```
ENTER ENDING FUNCTIONAL CDR
             SHOPPING LIST NO.  OR RETURN FOR ALL
             LETTER OF ALPHABET
```

If the print by functional commander option has been selected from the last menu, the screen will display the following when RETURN is pressed:

```
ENTER STARTING FISCAL YR OR RETURN FOR BEGINNING
```

Pressing RETURN will display:

```
ENTER ENDING FISCAL YR OR RETURN FOR ALL
```

Once these prompts have been responded to, another program will be loaded. For the print by functional commander, the print program will be loaded and records will begin printing momentarily. For the other two options a sort program will load and begin sorting before the printing begins. The user has no need to know about the sort screen display.

Figure 5 is a sample printout of the Equipment Request Form. Figure 6 is a sample Equipment Request summary print.

OPTION 3 - PRINT DETAILED SHOPPING LIST. Selecting option 3 from the equipment request menu loads a sort program. It sorts the equipment request file by equipment type and then alphabetically by item. The screen display is meaningless to the COAES user and will not be discussed here. When the sort is complete the screen will display the following:

```
                PRINTING DETAILED SHOPPING LIST
OPTION NO.        DESCRIPTION
    1         PRINT TRAINING SUPPORT EQUIPMENT COST BREAKDOWN ONLY
    2         PRINT TRAINING SUPPORT EQUIPMENT COMPLETE BUDGET PACKAGE
   99         RETURN TO ERF MENU
ENTER DESIRED OPTION
```

It should be noted that training support equipment is the same equipment described on the equipment request forms so there is not a separate subsystem for training support equipment.

If option 1 of this menu is selected, only the detailed shopping list is printed. Selecting option 2 prints the detailed shopping list and the budget justification sheet for training support equipment. The complete package is shown in figure 7.

OPTION 4 - PRINT EQUIPMENT REQUEST FORMS. Selecting option 4 from the equipment request menu causes the following display:

```
                EQUIPMENT REQUEST FORM MENU

OPTION NO.                      DESCRIPTION
    1                 PRINT BLANK FORMS
   99                 RETURN TO SUBSYSTEM MENU

ENTER DESIRED OPTION
```

OPN EQUIPMENT REQUEST: CLOSED CIRCUIT VIDEO SYSTEM SL: 1

FROM: CNTECHTRA FCDR PRI.: 52 OF 100
END USER: TRIDENT TRAFAC, BANGOR ACTV PRI.: 5 OF 5
CMPTR KEY INFORMATION: FCDR: CNTECHTRA FY: 81 TYPE EQUIPMENT: T NUMBER: 9099

NEW / / ADDITIONAL /X/ QTY ON HAND 2 QTY REQUESTED 2 TOTAL COST $14034
REPLACEMENT / / BASIS FOR COST: Price quotations from supplier

DESCRIPTION/NOMENCLATURE/MODEL NUMBER/VENDOR:

SONY Recorder/player VO2600 2 ea. at 1,439 = 2,878
SONY Reproducer VP2000 2 ea. at 1,238 = 2,476
SONY Color TV camera DXC1610 2 ea. at 3,168 = 6,336
SONY Color Monitor CVM2150 2 ea. at 1,172 = 2,347
Receiver

PURPOSE/JUSTIFICATION:

Above systems are used in the Instructor Basic Course (CIN A-012-0011) in a laboratory teaching situation where the students give lectures which are video-taped and then the students' performance is critiqued using the video tape. Two systems are required since laboratories run concurrently. Above equipment is required by the "Equipment Requirements List" (ERL) for this course. Equipment is also used to evaluate instructors teaching at the command.

The Instructor Basic Course was established at TRIDENT Training Facility, Bangor WA in FY 78 in recognition of a critical need to expand instructor training on the west coast. The course is currently capable of training 275 students per year. Additional instructor billets have been procured to almost double the school's capacity (to 525 per year). Procurement of this equipment is necessary to affect the expansion, since classes will overlap and cannot "time share" the equipment.

IMPACT IF NOT FUNDED:

Inability to expand instructor training at TRIDENT Training Facility, Bangor. Continued shortfall in class seats at I.T. School, resulting in prospective instructors being ordered to their commands without instructor training.

FOR CNET USE ONLY

Figure 5. Sample Equipment Request Form

SUMMARY OF RECORDS IN EQUIPMENT REQUEST FILE

```
OPN EQUIPMENT REQUEST: VERSA MILL                                          SL:    2
CMPTR KEY INFORMATION: FCDR: CNTECHTRA  FY: 80  TYPE EQUIPMENT: T  NUMBER: 9067
END USER: NAVSUBTRACENPAC                                  ACTV PRI.:   36 of  100
QTY REQUESTED    2          TOTAL COST     $8000          FCDR PRI.:    1 of    5

================================================================================
OPN EQUIPMENT REQUEST: SONY PORTABLE COLOR VIDEO CAMERA & CASSETTE REC.SL:    4
CMPTR KEY INFORMATION: FCDR: CNTECHTRA  FY: 80  TYPE EQUIPMENT: L  NUMBER: 9078
END USER: NAVPHIBSCOL CORONADO                             ACTV PRI.:    4 of    5
QTY REQUESTED    1          TOTAL COST     $4737          FCDR PRI.:   48 of  100

================================================================================
OPN EQUIPMENT REQUEST: CLOSED CIRCUIT VIDEO SYSTEM                         SL:    1
CMPTR KEY INFORMATION: FCDR: CNTECHTRA  FY: 81  TYPE EQUIPMENT: T  NUMBER: 9099
END USER: TRIDENT TRAFAC, BANGOR                           ACTV PRI:     5 of    5
QTY REQUESTED    2          TOTAL COST     $14034         FCDR PRI:    52 of  100

================================================================================
OPN EQUIPMENT REQUEST: HP Air Compressor                                   SL:    6
CMPTR KEY INFORMATION: FCDR: CNTECHTRA  FY: 81  TYPE EQUIPMENT: I  NUMBER: 9068
END USER: Diving School, SSC                               ACTV PRI:     3 of    5
QTY REQUESTED    1          TOTAL COST     $65000         FCDR PRI:    39 of  100

================================================================================
OPN EQUIPMENT REQUEST: 2200 MVP Processor Memory Upgrade                   SL:    3
CMPTR KEY INFORMATION: FCDR: NTEC       FY: 81  TYPE EQUIPMENT: L  NUMBER: 9070
END USER: NAVSUBTRACENPAC                                  ACTV PRI:     2 of    5
QTY REQUESTED    1          TOTAL COST     $4400          FCDR PRI:    37 of  100

================================================================================
```

Figure 6. Sample Equipment Request Summary

UNCLASSIFIED
CLASSIFICATION

FY 1982 CONGRESSIONAL SUBMISSION

NAVMAT FORM 7110/1 (7-70) — OTHER PROCUREMENT, NAVY — BUDGET ITEM JUSTIFICATION SHEET — DATE JANUARY 1981

BUDGET ACTIVITY 7 P&CSE
7: Personnel and Command Support Equipment

P-1 ITEM NOMENCLATURE
0022 Training Support Equipment

	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985	FY 1986
QUANTITY							
COST (in millions)	$ 2.400	$ 2.900	$ 3.900	$ 4.000	$ 5.000	$ 4.200	$ 4.200

1. This line item provides for the procurement of training aids and devices and general purpose equipment to support the education and training programs necessary to ensure that the active Fleet is supplied with effectively trained personnel.

2. The $3,495,400 requested for FY 1979 is required to procure items of equipment to be utilized in education, training, and/or logistic support of the mission of CNET (Chief of Naval Education and Training). The $400,000 procures items in support of the U.S. Naval Academy.

3. All items reflected on the Program Cost Breakdown were reviewed in depth and were selected with due consideration given to cost effectiveness and need. Requirements were screened for (1) safety, (2) operational necessity, and (3) resource savings (manpower, material, etc.).

SUMMARY	1977	1978	1979
CNET Training Equipment	1,859,971	1,295,807	2,505,400
CNET Logistic Support Equipment	468,909	1,232,842	990,000
CNET SUB-TOTAL	2,328,880	2,528,649	3,495,400
USNA Training Support Equipment	349,500	134,172	293,256
USNA Logistic Support Equipment	3,500	239,179	106,744
USNA SUB-TOTAL	353,000	373,351	400,000
Training Support Equipment TOTAL	2,681,880	2,902,000	3,895,400

EXHIBIT P-40 — P-1 SHOPP. LIST ITEM NO. 0022 — PAGE NO. — UNCLASSIFIED / CLASSIFICATION

Figure 7. Sample Training Support Equipment Budget Package

DETAILED SHOPPING LIST
CNT Form 7130/2 (3-72)

Training Support Equipment — FY 1982 CONGRESSIONAL SUBMISSION

FROM: Chief of Naval Education and Training | APPROPRIATION: Other Procurement, Navy | BUDGET ACTIVITY NUMBER 7: Personnel and Command Support Equipment | JAN 1981

Number	ITEM	END USER	TOTAL COST IN DOLLARS					
			FY 1980		FY 1981		FY 1982	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	TRAINING EQUIPMENT							
1	CLOSED CIRCUIT VIDEO SYSTEM	TRIDENT TRAFAC, BANGOR			2	14,034		
2	VERSA MILL	NAVSUBTRACENPAC	2	8,000				
3	WANG MVP 2200	NTEC				0		
	TRAINING SUB-TOTAL			8,000		14,034		

PAGE 2

Figure 7. Sample Training Support Equipment Budget Package (continued)

DETAILED SHOPPING LIST
CNT Form 7130/2 (3-72)

Training Support Equipment — FY 1982 CONGRESSIONAL SUBMISSION

FROM: Chief of Naval Education and Training

APPROPRIATION: Other Procurement, Navy

BUDGET ACTIVITY NUMBER 7: Personnel and Command Support Equipment — JAN 1981

Number	ITEM	END USER	TOTAL COST IN DOLLARS					
			FY 1980		FY 1981		FY 1982	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	LOGISTICS SUPPORT EQUIPMENT							
4	2200 MVP Processor Memory Upgrade	NAVSUBTRACENPAC			1	4,400		
5	SONY PORTABLE COLOR VIDEO CAMERA & CASSETTE REC.	NAVPHIBSCOL CORONADO	1	4,737				
	LOGISTIC SUB-TOTAL			4,737		4,400		

PAGE 3

Figure 7. Sample Training Support Equipment Budget Package (continued)

DETAILED SHOPPING LIST
CNT Form 7130/2 (3-72)

Training Support Equipment — FY 1982 CONGRESSIONAL SUBMISSION

FROM: Chief of Naval Education and Training

APPROPRIATION: Other Procurement, Navy

BUDGET ACTIVITY NUMBER 7: Personnel and Command Support Equipment — JAN 1981

Number	ITEM	END USER	TOTAL COST IN DOLLARS					
			FY 1980		FY 1981		FY 1982	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	IPD EQUIPMENT							
6	HP Air Compressor	Diving School, SSC				65,000		
	IPD SUB-TOTAL					65,000		
	LOGISTIC SUB-TOTAL			4,737		4,400		
	TRAINING SUB-TOTAL			8,000		14,034		
	GRAND TOTAL			12,737		83,434		

PAGE 4

Figure 7. Sample Training Support Equipment Budget Package (continued)

Selecting option 1 will result in the following line being displayed on the screen:

```
ENTER NUMBER OF BLANK FORMS YOU WANT PRINTED
```

Once the number has been entered and RETURN is pressed, blank copies of the form shown in figure 5 will begin printing.

OPTION 5 - EDIT TRAINING SUPPORT BJS DATA. Selecting option 5 from the equipment request menu will cause the screen to display the following:

```
          BJS INPUT PROGRAM FOR TRAINING SUPPORT EQUIPMENT

 OPTION NO.                    DESCRIPTION
     1                EDIT TRAINING SUPPORT EQUIPMENT BJS
    99                RETURN TO ERF MENU


 ENTER DESIRED OPTION
```

Selecting option 1 from this menu will result in a display similar to the following:

```
        BJS INPUT PROGRAM FOR TRAINING SUPPORT EQUIPMENT

1 P-1 SHOPPING LIST ITEM NUMBER  0211    DATE REV/REV 11/28/80

                        FY80  FY81  FY82  FY83  FY84  FY85  FY86
2 Cost (in millions)   2.400 2.900 3.900 4.000 5.000 4.200 4.200



ENTER ITEM NBR,RETURN FOR NEXT PAGE,P TO PRINT,A TO ABORT,S TO SAVE
```

Pressing RETURN will result in a display similar to the following:

```
        BJS INPUT PROGRAM FOR TRAINING SUPPORT EQUIPMENT

1.  This line item provides for the procurement of training aids and
the education and training programs necessary to ensure that the act
personnel.

2.  The $3,495,400 requested for FY 1979 is required to procure item
education, training, and/or logistic support of the mission of CNET
$4000,000 procures items in support of the U.S. Naval Academy.

3.  All items reflected on the Program Cost Breakdown were reviewed
given to cost effectiveness and need.  Requirements were screened fo
(3) resource savings (manpower, material, etc.).

SUMMARY
--------
CNET Training Equipment                                          1,
CNET Logistic Support Equipment                                  --
     CNET SUB-TOTAL                                              2,

PRESS FN KEY OR STATEMENT NUMBER WHEN FINISHED TEXT EDITING
```

Data entry/edit options are the same as those described in the OVERVIEW under EDIT OPTIONS.

INITIAL SPARE PARTS SUBSYSTEM (MASTER MENU OPTION 2)

Figure 8 shows the various options available to the user of the Initial Spare Parts Subsystem.

Selecting option 2, Initial Spare Parts, from the Master Menu, followed by pressing RETURN will result in the following menu:

```
*** CNET-6  INITIAL SPARE PARTS SUBSYSTEM MENU  *** 12/10/80 1 B50

 OPTIONS >

   1  -  Input/Edit  INITIAL SPARE PARTS DATA              (ISP.EDIT)
   2  -  Print       INITIAL SPARE PARTS Requirements      (ISP.PRNT)
   3  -  Edit        INITIAL SPARE PARTS BJS DATA          (ISP.BJS)
  99  -  RETURN TO MASTER MENU                            (PROCURE)



 Enter Option:
```

OPTION 1 - INPUT/EDIT. Selecting option 1 from this menu followed by pressing RETURN will result in the following display:

```
            OPN INITIAL SPARE PARTS INPUT/EDIT PROGRAM

 OPTION NO.                    DESCRIPTION
    1                      EDIT SPARE PARTS FILE
   99                      RETURN TO ISP MENU


 ENTER DESIRED OPTION
```

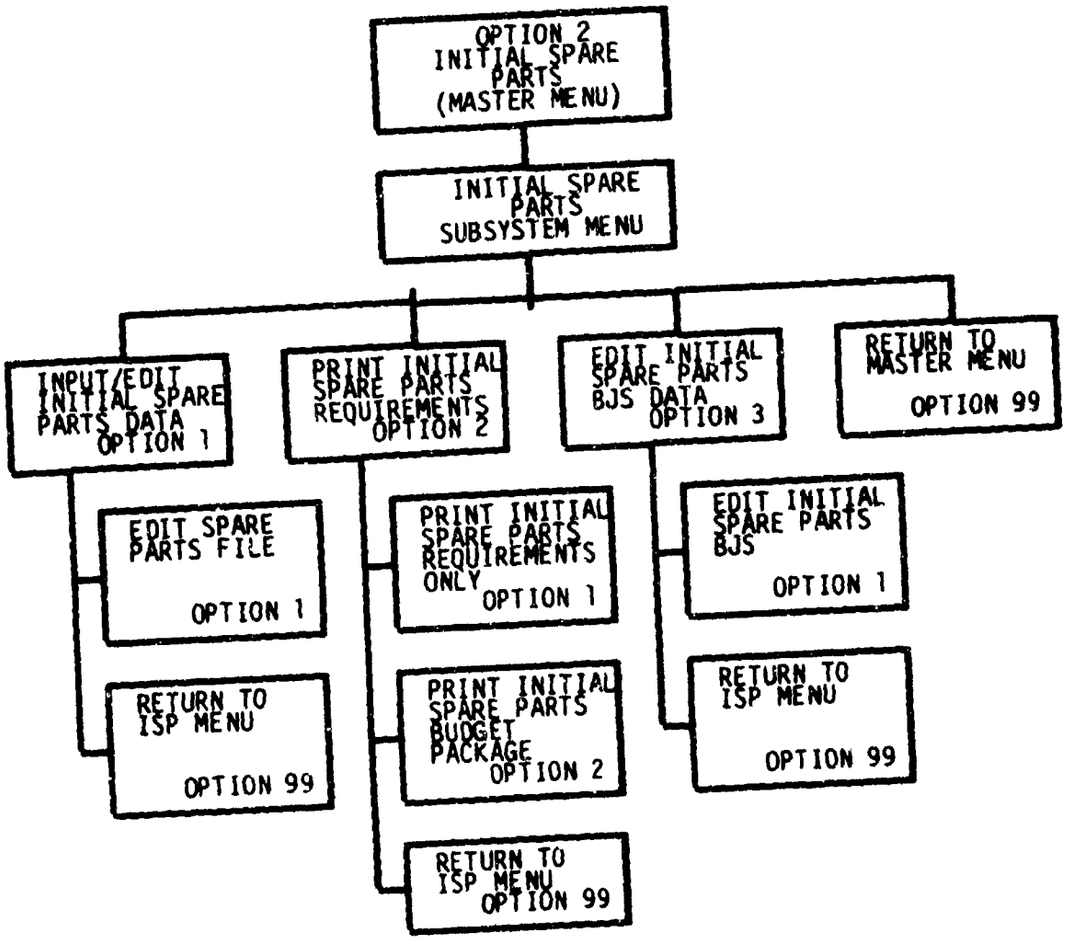

Figure 8. Initial Spare Parts Subsystem

Selecting option 1 from this menu followed by pressing RETURN will result in a display similar to the following:

```
EDIT INITIAL SPARE PARTS FILE  DATE REVIEWED/REVISED: 12/10/80

    END ITEM                 | 80 END ITEM | SPARES | 81 END ITEM | SPARES
NO  NOMENCLATURE             | QTY   COST  | VALUE %| QTY   COST  | VALUE %
 1  14E24                    |  1    1.6   | 0.056 4|  0    0.0   | 0.000 0
 2  14E25A                   |  0    0.0   | 0.000 0|  0    0.0   | 0.000 0
 3  14E27                    |  3    4.3   | 0.080 2|  0    0.0   | 0.000 0
 4  14E28                    |  0    0.0   | 0.000 0|  1    2.2   | 0.039 2
 5  14E31                    |  0    0.0   | 0.000 0|  4    1.6   | 0.045 3
 6  14F12                    |  0    0.0   | 0.000 0|  0    0.0   | 0.000 0
 7  14F12A                   |  0    0.0   | 0.000 0|  0    0.0   | 0.000 0
 8  19E22                    |  0    0.0   | 0.000 0|  0    0.0   | 0.000 0
 9  2084                     |  0    0.0   | 0.000 0|  4    0.0   | 0.041 0
10  20H5                     |  0    0.0   | 0.000 0|  2    2.7   | 0.070 3
11  20H6                     |  0    0.0   | 0.000 0|  1    2.3   | 0.075 3
12  20H7                     |  0    0.0   | 0.000 0|  1    2.5   | 0.060 2
13  21A37/8                  |  1    2.5   | 0.069 3|  0    0.0   | 0.000 0
14  21A38A                   |  1    6.0   | 0.075 1|  0    0.0   | 0.000 0
15  21A39A                   |  0    0.0   | 0.000 0|  0    0.0   | 0.000 0

TO DELETE AN ENTRY-ENTER DELETE AS END ITEM NAME.  TO ESCAPE A LINE,
ENTER E ENTER ITEM #, RETURN-NEXT PAGE, A-ABORT, O-SAVE, P-PRINT,
BACKSPACE-LAST PAGE
```

Pressing RETURN from this page will result in a display similar to the following:

```
EDIT INITIAL SPARE PARTS FILE   DATE REVIEWED/REVISED: 10/20/80

    END ITEM                 | 82 END ITEM | SPARES
NO  NOMENCLATURE             | QTY   COST  | VALUE %
 1  14E24                    |  0    0.0   | 0.000 0
 2  14E25A                   |  1    3.3   | 0.065 2
 3  14E27                    |  0    0.0   | 0.000 0
 4  14E28                    |  0    0.0   | 0.000 0
 5  14E31                    |  4    1.6   | 0.058 4
 6  14F12                    |  1    2.6   | 0.066 3
 7  14F12A                   |  2    7.9   | 0.240 3
 8  19E22                    |  1    6.0   | 0.208 3
 9  2084                     |  4    0.0   | 0.300 0
10  20H5                     |  0    0.0   | 0.000 0
11  20H6                     |  1    2.3   | 0.081 4
12  20H7                     |  0    0.0   | 0.000 0
13  21A37/8                  |  0    0.0   | 0.000 0
14  21A38A                   |  0    0.0   | 0.000 0
15  21A39A                   |  1    4.8   | 0.080 2

TO DELETE AN ENTRY-ENTER DELETE AS END ITEM NAME.  TO ESCAPE A LINE,
ENTER E ENTER ITEM #, RETURN-NEXT PAGE, A-ABORT, O-SAVE, P-PRINT,
BACKSPACE-LAST PAGE
```

There are 75 line entries available in this file. There is a total of 10 different screen displays to display the entire file, 15 entries per display. The odd numbered screens display the first two fiscal years of data

and the even numbered screens display the third fiscal year. If the user knows the line number of the entry he wishes to edit, it is not necessary to press RETURN until the correct screen is reached. To edit any line entry, whether displayed on the screen or not, the user should enter that line number and press RETURN and the screen will display the correct set of 15 items and place the edit line under the line entry selected. Items entered into the initial spare parts file are re-sorted each time the file is saved so the user may enter the items in random fashion. To delete a line entry, the user should enter the line number of that item and press RETURN. With the edit line under the end item nomenclature, the user should type "DELETE" as the first six characters and press RETURN. Blanking out the rest of the entry is unnecessary. After RETURN is pressed, the end item nomenclature is blanked and the numerics are zeroed. This blank line will sort to the end of the file before the save. The remainder of the data entry/edit options are the same as those described in the OVERVIEW under EDIT OPTIONS.

OPTION 2 - PRINT INITIAL SPARE PARTS REQUIREMENTS. Selecting option 2 from the Initial Spare Parts menu causes the screen to display the following:

```
            PRINTING INITIAL SPARES REQUIREMENTS

OPTION NO.                      DESCRIPTION

    1               PRINT INITIAL SPARE PARTS REQUIREMENTS ONLY
    2               PRINT INITIAL SPARE PARTS BUDGET PACKAGE

   99               RETURN TO ISP MENU

ENTER DESIRED OPTION
```

Selecting option 1 or 2 will cause the screen to display the following:

```
HOW MANY COPIES DO YOU WANT?
```

After the RETURN is pressed, the user will begin to get the hard copies requested. Figure 9 shows the results of printing a complete package.

UNCLASSIFIED

CLASSIFICATION

NAVMAT FORM 7110/1 (7-70) — OTHER PROCUREMENT, NAVY — BUDGET ITEM JUSTIFICATION SHEET — DATE JULY 1980

BUDGET ACTIVITY 7 P&CSE
7: Personnel and Command Support Equipment

P-1 ITEM NOMENCLATURE
0005 Spare Parts (Initial)

	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985	FY 1986
QUANTITY							
COST (in millions)	$ .649	$ .551	$ 1.386	$	$	$	$

This line item funds procurement of Initial System Stock (ISS) and Initial Outfitting (IO) of Cog Symbol 2"0" training equipments.

The purpose of ISS is to establish the range and depth of spares/repair parts which are expected to be needed to supports an end item for that period of time that extends from the Navy Support Date until full support responsibility can be assumed by the supply system through routine replenishment.

The purpose of IO is to provide the range and quantity of supporting items necessary to meet initial requirements of authorized onboard allowance material as set forth in training equipment allowance lists. Initial outfitting consists of 90-days support of items.

Funding for parts support differs for each device. ISS funding is usually required 18 to 26 months after fiscal year of contract award for the end item. IO funding is usually required 24-38 months after the fiscal year of contract for the end item.

P-1 SHOPP. LIST ITEM NO. 0005 — PAGE NO. 1

UNCLASSIFIED

CLASSIFICATION

EXHIBIT P-40

Figure 9. Sample Initial Spare Parts Budget Package

Chief of Naval Education and Training
922-3187

FY 1982 NAVCOMPT SUBMISSION
JULY 1980

INITIAL SPARES REQUIREMENTS

(Dollars in Millions)

Number	End Item Nomenclature	Fiscal Year 1980 Estimate				Fiscal Year 1981 Estimate				Fiscal Year 1982 Estimate			
		End Item		Spares		End Item		Spares		End Item		Spares	
		Qty	Cost	Val	%	Qty	Cost	Val	%	Qty	Cost	Val	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	DEVICE												
1	14E24	5	25.0	.005									
2	14E25A									1	3.3	.065	2
3	14E27	3	4.3	.080	2								
4	14E28					1	2.2	.039	2				
5	14E31					4	1.6	.045	3	4	1.6	.058	4
6	14F12									1	2.6	.066	3
7	14F12A									2	7.9	.240	3
8	19E22									1	6.0	.208	3
9	20B4					4		.041		4		.300	
10	20H5					2	2.7	.070	3				
11	20H6					1	2.3	.075	3	1	2.3	.081	4
12	20H7					1	2.5	.060	2				
13	21A37/8	1	2.5	.069	3								
14	21A38A	1	6.0	.075	1								
15	21A39A									1	4.8	.080	2

0005 - 2
JULY 1980

Figure 9. Sample Initial Spare Parts Budget Package (continued)

Chief of Naval Education and Training
422-3187

FY 1982 NAVCOMPT SUBMISSION
JULY 1980

INITIAL SPARES REQUIREMENTS

(Dollars in Millions)

		Fiscal Year 1980 Estimate				Fiscal Year 1981 Estimate				Fiscal Year 1982 Estimate			
		End Item		Spares		End Item		Spares		End Item		Spares	
Number	End Item Nomenclature	Qty	Cost	Val	%	Qty	Cost	Val	%	Qty	Cost	Val	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
16	21A40 (Sonar Mod)	1	.5	.020	4								
17	21A41	1	5.5	.114	2								
18	21B63									1	2.4	.020	1
19	21B64									3	13.5	.134	1
20	21B64	1	3.8	.256	7	1	3.8	.104	3				
21	21C6												
22	21C7	1	.7	.030	4					1	.7	.027	4
23	21D3									1	2.6	.060	2
24	Cryogenics Trainer									1	.5	.020	4
25	Harpoon Operator Trainer					2	2.2	.075	3				
26	MK86 OPERATOR TRAINER									1	.7	.027	4
27	SLQ-32 E.W. TRAINER					2	1.2	.042	4				
	GRAND TOTAL			.649				.551				1.386	

0005 - 3
JULY 1980

Figure 9. Sample Initial Spare Parts Budget Package (continued)

OPTION 3 - INITIAL SPARE PARTS BJS DATA. Selecting option 3 from the Initial Spare Parts menu will cause the screen to display the following:

```
                BJS INPUT PROGRAM FOR INITIAL SPARE PARTS

OPTION NO.                        DESCRIPTION
    1                    EDIT INITIAL SPARE PARTS BJS
   99                    RETURN TO ISP MENU

ENTER DESIRED OPTION
```

Selecting option 1 from this menu will result in a display similar to the following:

```
                BJS INPUT PROGRAM FOR INITIAL SPARE PARTS

1  P-1 SHOPPING LIST ITEM NUMBER 0041  DATE REV/REV 11/28/80

                          FY80   FY81   FY82   FY83   FY84   FY85   FY86
2 Cost (in millions)     0.700  0.551  1.386  0.000  0.000  0.000  0.000

ENTER ITEM NUMBER, RETURN FOR NEXT PAGE, P TO PRINT, A TO ABORT,
0 TO SAVE
```

Pressing RETURN from this display will result in a display similar to the following:

```
                BJS INPUT PROGRAM FOR INITIAL SPARE PARTS

This line item funds procurement of Initial System Stock (ISS)
training equipments.

The purpose of ISS is to establish the range and depth of spares/
supports an end item for that period of time that extends from the
can be assumed by the supply system through routine replenishment.

The purpose of IO is to provide the range and quantity of supportin
authorized onboard allownace material as set forth in training equi
of 90-day support of items.

Funding for parts support differs for each device.  ISS funding is
of contract award for the end item.  IO funding is usually required
the end item.


PRESS FN KEY OR STATEMENT NUMBER WHEN FINISHED TEXT EDITING
```

Data entry/edit options are the same as those described in the OVERVIEW under EDIT OPTIONS.

TRAINING DEVICE MODIFICATIONS SUBSYSTEM (MASTER MENU OPTION 3)

Figure 10 shows the various options available to the user of the Training Device Modifications subsystem.

Selecting option 3, Training Device Modifications, from the Master Menu, followed by pressing RETURN, will result in the following display:

```
*** CNET-N6  TRAINING DEVICE MOD SUBSYSTEM MENU  *** 12/10/80 1B50

OPTIONS >

  1 - Input/Edit TRAINING DEVICE MOD DATA          (TDM.EDIT)
  2 - Print      TRAINING DEVICE MOD PACKAGE       (TDM.PRNT)
  3 - Input/Edit TRAINING DEVICE MOD BJS DATA      (TDM.BJS)

 99 - RETURN TO MASTER MENU                        (PROCURE)


 Enter Option:
```

OPTION 1 - INPUT/EDIT. Selecting option 1 from this menu, followed by pressing RETURN will result in the following display:

```
            OPN TRAINING DEVICE MODS INPUT/EDIT PROGRAM

 OPTION NO.                    DESCRIPTION
    1                      EDIT TRAINING DEVICE FILE
   99                      RETURN TO TDM MENU

 ENTER DESIRED OPTION
```

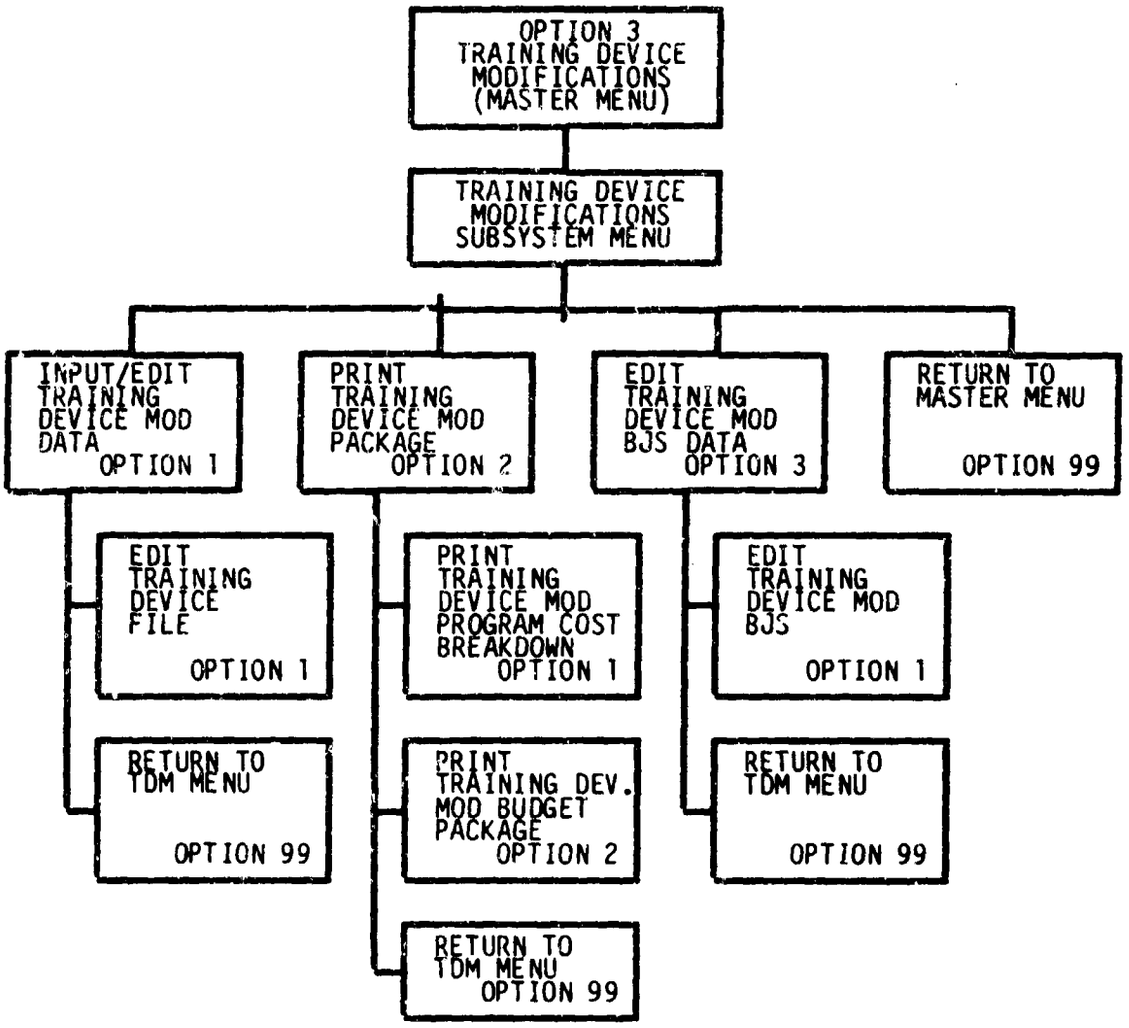

Figure 10. Training Device Modifications Subsystem

Selecting option 1 from this menu followed by pressing RETURN, will result in a display similar to the following:

```
   EDIT TRAINING DEVICE MODIFICATIONS FILE  DATE REV/REV: 10/02/80

NO T     ELEMENT OF COST                        FY 80          QTY COST
 1 U 15F12,Interim Periscope Operator                            0       0
 2 U 21A37,TOMAHAWK Capability AC 1 & AC 3                       0       0
 3 U 21A37/4,Sweat Noise                                         0       0
 4 U 21C7,Hard Copy Printer                                      0       0
 5 S 14A6,Update Comm System,Add Sonobuoy & CZ/BB Cap.           0       0
 6 S 14E23,SQS-38 Own-ship                                       0  350000
 7 S 14E23,Single/5 Beam Mode Audio Volume                       0  221000
 8 S 14E24,Improve Performance &Realism                          0       0
 9 S 15E27,Replace Ampex VR 7500 Recorder                        0       0
10 S 15F12,Increase Training Station Capacity                    0       0
11 S 15F12,Update Computer, Add Interactive Edit                 0  623000
12 S 15G17A,Add Additional CRT's                                 0       0
13 S 16C53A,Range and Bearing Addition                           0       0
14 S 16F,Machine Fuse/Ripped Chute                               0       0
15 S 19E14,Update LM2500 Engine Module                           0       0

 TO DELETE AN ENTRY-ENTER DELETE AS ELMNT OF COST.  TO ESCAPE A LINE,
 ENTER E ENTER ITEM #, RETURN-NEXT PAGE, A-ABORT, 0-SAVE, BACKSPACE-
 LAST PAGE, P-PRINT
```

Pressing RETURN will result in a display similar to the following for the next fiscal year:

```
   EDIT TRAINING DEVICE MODIFICATIONS FILE   DATE REV/REV: 10/02/80

NO T     ELEMENT OF COST                        FY 81          QTY   COST
 1 U  15F12,Interim Periscope Operator                           0       0
 2 U  21A37,TOMAHAWK Capability AC 1 & AC 3                      0       0
 3 U  21A37/4,Sweat Noise                                        0       0
 4 U  21C7,Hard Copy Printer                                     0       0
 5 S  14A6,Update Comm System, Add Sonobuoy & CZ/BB Cap.         0       0
 6 S  14E23,SQS-38 Own-Ship                                      0       0
 7 S  14E23,Single/5 Beam Mode Audio Volume                      0       0
 8 S  14E24,Improve Performance & Realism                        0       0
 9 S  15E27,Replace Ampex VR 7500 Recorder                       0   40000
10 S  15F12,Increase Training Station Capacity                   0       0
11 S  15F12,Update Computer, Add Interactive Edit                0       0
12 S  15G17A,Add Additional CRT's                                0   29000
13 S  16C53A,Range and Bearing Addition                          0   60000
14 S  16F,Machine Fuse/Ripped Chute                              0   60000
15 S  19E14,Update LM2500 Engine Module                          0   35000

 TO DELETE AN ENTRY-ENTER DELETE AS ELMNT OF COST.  TO ESCAPE A LINE,
 ENTER E ENTER ITEM #, RETURN-NEXT PAGE, A-ABORT, 0-SAVE, BACKSPACE-
 LAST PAGE, P-PRINT
```

Pressing RETURN again will result in a display similar to the following for the final fiscal year:

```
EDIT TRAINING DEVICE MODIFICATIONS FILE    DATE REV/REV: 10/02/80

NO T    ELEMENT OF COST                          FY 82          QTY   COST
 1 U  15F12,Interim Periscope Operator                           0   400000
 2 U  21A37,TOMOHAWK Capability AC 1 & AC 3                      0   200000
 3 U  21A37/4,Sweat Noise                                        0    36000
 4 U  21C7,Hard Copy Printer                                     0    20000
 5 S  14A6,Update Comm System, Add Sonobuoy & CZ/BB Cap.         0   496000
 6 S  14E23,SQS-38 Own-Ship                                      0        0
 7 S  14E23,Single/5 Beam Mode Audio Volume                      0        0
 8 S  14E24,Improve Performance & Realism                        0   590000
 9 S  15E27,Replace Ampex VR 7500 Recorder                       0        0
10 S  15F12,Increase Training Station Capacity                   0   100000
11 S  15F14,Update Computer, Add Interactive Edit                0        0
12 S  15G17A,Add Additional CRT's                                0        0
13 S  16C53A,Range and Bearing Addition                          0        0
14 S  16E,Machine Fuse/Ripped Chute                              0        0
15 S  19E14,Update LM2500 Engine Module                          0        0

TO DELETE AN ENTRY-ENTER DELETE AS ELMNT OF COST. TO ESCAPE A LINE,
ENTER E ENTER ITEM #, RETURN-NEXT PAGE, A-ABORT, O-SAVE, BACKSPACE-
LAST PAGE, P-PRINT
```

There are 60 line entries available in this file. There is a total of 12 different screen displays to display the entire file, 15 entries per display, one screen for each of the three fiscal years. If the user knows the line number of the entry to be edited, it is not necessary to press RETURN until the correct screen is reached. To edit any line entry, whether displayed on screen or not, the user should enter that line number and press RETURN. The screen will display the correct set of 15 items and place the edit line under the line entry selected of the first fiscal year. Items entered into the training device modification file are re-sorted each time the file is saved so the user may enter the items in random fashion.

The first column on the screen labeled T is for type. Type in this file means either U for subsurface or S for surface. The file is initialized with an S in this field.

To delete a line entry from this file, the user should enter the line number to be deleted. If the type is U, change it to S and press RETURN. The user should now type "DELETE" as the first six characters of the element of cost and press RETURN. Blanking out the rest of the element of cost is unnecessary. After RETURN is pressed, the element of cost is blanked and the numerics are zeroed. This blank line will sort to the end of the file before the save. The remainder of the data entry/edit options are the same as those described in the OVERVIEW under EDIT OPTIONS.

OPTION 2 - PRINT TRAINING DEVICE MOD PACKAGE. Selecting option 2 from the Training Device Modification menu will cause the screen to display the following:

```
          PRINTING TRAINING DEVICE MODIFICATIONS

OPTION NO.                  DESCRIPTION

    1       PRINT TRAINING DEVICE MOD. PROGRAM COST BREAKDOWN ONLY
    2       PRINT TRAINING DEVICE MOD. COMPLETE BUDGET PACKAGE

   99       RETURN TO TDM MENU

ENTER DESIRED OPTION
```

Selecting option 1 or 2 from the above menu will cause the screen to display the following:

```
HOW MANY COPIES DO YOU WANT?
```

After RETURN is pressed, the user will begin to get the hard copies requested. Figure 11 shows the results of printing a complete package.

OPTION 3 - EDIT TRAINING DEVICE MOD BJS DATA. Selecting option 3 from the Training Device Modifications menu will result in a display similar to the following:

```
      BJS INPUT PROGRAM FOR TRAINING DEVICE MODIFICATIONS

OPTION NO.                  DESCRIPTION
    1           EDIT TRAINING DEVICE MODIFICATIONS BJS
   99           RETURN TO TDM MENU

ENTER DESIRED OPTION
```

NAVMAT FORM 7110/1 (7-70)	OTHER PROCUREMENT, NAVY BUDGET ITEM JUSTIFICATION SHEET	DATE JULY 1980
BUDGET ACTIVITY 7 P&CSE 7: Personnel and Command Support Equipment	P-1 ITEM NOMENCLATURE 0004 Training Device Modifications	

	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985	FY 1986
QUANTITY							
COST (in millions)	$ 1.360	$ .820	$ 1.981	$ 2.805	$ 2.524	$ 2.650	$ 3.317

Locations: Various

This increment provides funds to modify training devices, excluding TSA furnished GFE, currently in use at shore training activities, to keep them compatible with equivalent changes made to Fleet operational equipments which these devices emulate.

With the current emphasis on training devices as replacement for operational equipment for providing training experiences to Fleet personnel, it is essential that modifications be made so that devices duplicate equipment used in the operational environment.

The $1,933,000 requested in FY 81 will provide modifications on the attached NAVMAT Form 7110/2, Program Cost Breakdown.

EXHIBIT P-40	P-1 SHOPP. LIST ITEM NO. 0004	PAGE NO. 1

Figure 11. Sample Training Device Modifications Budget Package

UNCLASSIFIED

CLASSIFICATION

FY 1982 NAVCOMPT SUBMISSION

NAVMAT FORM 7110/2 (6-71) — OTHER PROCUREMENT, NAVY — PROGRAM COST BREAKDOWN — DATE: JULY 1980

BUDGET ACTIVITY
7: Personnel and Command Support Equipment

P-1 ITEM NOMENCLATURE
0004 Training Device Modifications

ELEMENT OF COST	IDENT CODE	(Total cost in thousands of dollars) FY 1980 QTY:	FY 1980 TOTAL COST	FY 1981 QTY:	FY 1981 TOTAL COST	FY 1982 QTY:	FY 1982 TOTAL COST
I SUBSURFACE PROGRAM							
1 21A37, TOMAHAWK Capability AC 1 and AC 3							200,000
2 21A37/4, Sweat Noise							36,000
3 21C7, Hard Copy Printer							20,000
SUBSURFACE PROGRAM TOTAL							256,000
II SURFACE PROGRAM							
4 14A6, Update Comm System, Add Sonobuoy and CZ/B8 Capability							496,000
5 14E23, SQS-38 Own-ship			350,000				
6 14E23, Single/5 Beam Mode Audio Volume			221,000				
7 14E24, Improve Performance & Realism							590,000
8 15E27, Replace Ampex VR 7500 Recorder					40,000		
9 15F12, Increase Training Station Capacity							100,000
10 15F12, Update Computer, Add Interactive Edit			623,000				
11 15G17A, Add Additional CRT's					29,000		
12 16C53A, Range and Bearing Addition					60,000		
13 16F, Machine Fuse/Ripped Chute					60,000		
14 19E14 Update LM2500 Engine Module					35,000		

P-1 SHOPP. LIST ITEM NO. 0004 — PAGE NO. 2

UNCLASSIFIED

CLASSIFICATION

Figure 11. Sample Training Device Modifications Budget Package (continued)

UNCLASSIFIED

CLASSIFICATION

FY 1982 NAVCOMPT SUBMISSION

NAVMAT FORM 7110/2 (6-71)	OTHER PROCUREMENT, NAVY PROGRAM COST BREAKDOWN	DATE JULY 1980
BUDGET ACTIVITY 7: Personnel and Command Support Equipment	P-1 ITEM NOMENCLATURE 0004 Training Device Modifications	

ELEMENT OF COST	IDENT CODE	(Total cost in thousands of dollars) FY 1980 QTY	FY 1980 TOTAL COST	FY 1981 QTY	FY 1981 TOTAL COST	FY 1982 QTY	FY 1982 TOTAL COST
15 20E16, Add Component Removal Training Capability					275,000		
16 Device 10H4 Add "J" Band Capability							410,000
17 Minor Modifications			166,000		121,000		129,000
18 X14A5,Instructor Console Modification					200,000		
SURFACE PROGRAM TOTAL			1,360,000		820,000		1,725,000
GRAND TOTAL			1,360,000		820,000		1,981,000

P-1 SHOPP. LIST ITEM NO.	PAGE NO.	
0004	3	UNCLASSIFIED CLASSIFICATION

Figure 11. Sample Training Device Modifications Budget Package (continued)

Selecting option 1 from this menu will result in a display similar to the following:

```
          BJS INPUT PROGRAM FOR TRAINING DEVICE MODIFICATIONS

1 P-1 SHOPPING LIST ITEM NUMBER 0031          DATE REV/REV: 11/28/80

                        FY 80  FY 81  FY 82  FY 83  FY 84  FY 85  FY 86
2 Cost (in millions)    1.360  0.820  2.381  2.805  2.524  2.850  3.317


ENTER ITEM NUMBER, RETURN FOR NEXT PAGE, P TO PRINT, A TO ABORT,
0 TO SAVE
```

Pressing RETURN from this display will result in a display similar to the following:

```
          BJS INPUT PROGRAM FOR TRAINING DEVICE MODIFICATIONS

Locations:  Various

This increment provides funds to modify training devices, excluding
training activities, to keep them compatible with equivalent changes
devices emulate.

With the current emphasis on training devices as replacement for ope
experiences to Fleet personnel, it is essential that modifications b
used in the operational environment.

The $1,933,000 requested in FY 81 will provide modifications on the
Breakdown.

PRESS FN KEY OR STATEMENT NUMBER WHEN FINISHED TEXT EDITING
```

Data entry/edit options are the same as those described in the OVERVIEW under EDIT OPTIONS.

DEVICES >$900,000 SUBSYSTEM (MASTER MENU OPTION 4)

Figure 12 shows the various options available to the user of the Devices >$900,000 subsystem.

Selecting option 4, Devices >$900,000, from the Master Menu, followed by pressing RETURN, will result in the following display:

```
***  CNET-N6   DEVICES >$900,000 SUBSYSTEM MENU  *** 12/10/80 1 B50

 OPTIONS >
    1  -  Input/Edit DEVICES >$900,000 BUDGET JUST.          (900.BJS)
    2  -  Input/Edit DEVICES >$900,000 PROCUREMENT HIST.     (900.EDIT)
    3  -  Input/Edit DEVICES >$900,000 DETAIL JUST.          (900.EDTI)
    4  -  Print      DEVICES >$900,000 Reports               (900.PRNT)
    5  -  Print      DEVICES >$900,000 Summaries             (900.SUMM)
    6  -  Print      DEVICES >$900,000 Change File           (900.PTCF)
    7  -  Edit       DEVICES >$900,000 Change File           (900.EDCF)

   99  -  RETURN TO MASTER MENU                             (PROCURE)

 Enter Option:
```

OPTION 1 - INPUT/EDIT DEVICES >$900,000 BUDGET JUSTIFICATIONS. Selecting option 1 from this menu followed by pressing RETURN will result in the following display:

```
     BJS INPUT PROGRAM FOR DEVICES COSTING MORE THAN $900,000

 OPTION NO.                DESCRIPTION

     1              INPUT DEVICES >$900,000 BJS
     2              EDIT DEVICES >$900,000 BJS
     3              DELETE DEVICES >$900,000 BJS

    99              RETURN TO 900 MENU

 ENTER DESIRED OPTION
```

Selecting option 1 from this menu, followed by pressing RETURN will result in the following display:

```
ENTER DEVICE NUMBER TO BE INPUT OR 'ZZ' IF NUMBER UNKNOWN OR RETURN
```

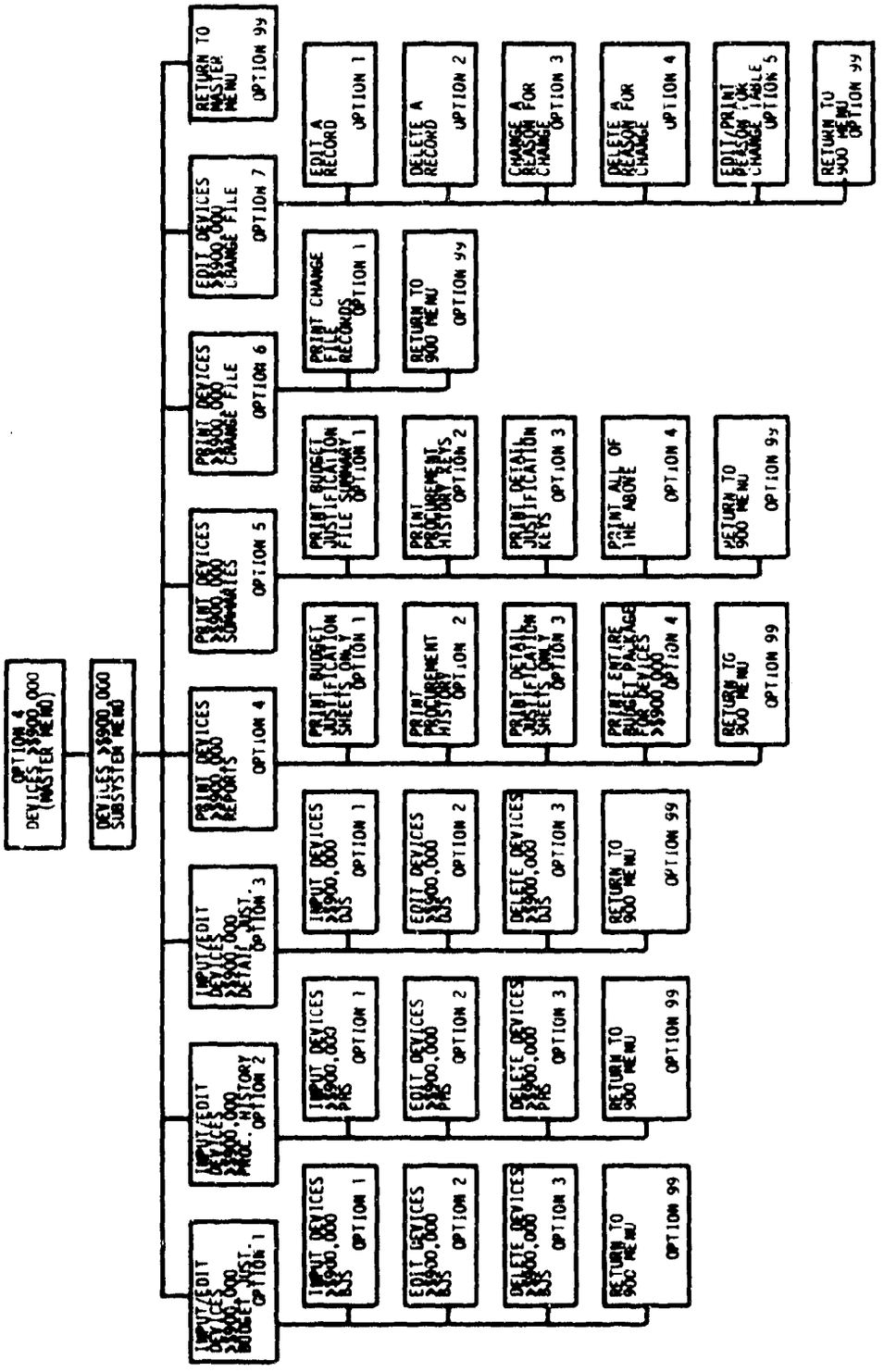

Figure 12. Devices >$900,000 Subsystem

If the device number is currently unknown, the user enters a 'ZZ' and the system assigns a numeric value to create a dummy device number. This dummy device number allows the user access to that record but the dummy device number will not print in any report. When the dummy device number prints on the edit display, the user should make a note of the number for later recalling.

Selecting option 2 or 3 from this menu, followed by pressing RETURN will result in the following display:

```
ENTER DEVICE NUMBER TO   EDIT  OR RETURN
                         DELETE
```

For options 1 or 2 entering the device number followed by pressing RETURN will result in a display similar to the following:

```
      BJS INPUT PROGRAM FOR DEVICES COSTING MORE THAN $900,000

 1 Device Type:  21B63

 2 Item Nomenclature-Line 1:  Generalized Individual Fire
   Item Nomenclature-Line 2:  Control Operator Trainer

 3 P-1 SHOPPING LIST NUMBER:  0021          DATE REV/REV: 11/28/80

Quantity for BJS      FY 80  FY 81  FY 82  FY 83  FY 84  FY 85  FY 86
 4                        0      0      1      0      0      0      0

Quantity for FYDP/P-1 FY 80  FY 81  FY 82  FY 83  FY 84  FY 85  FY 86
 5                        0      0      0      0      0      0      0

Cost (in millions)    FY 80  FY 81  FY 82  FY 83  FY 84  FY 85  FY 86
 6 MINIMUM            0.000  0.000  2.400  0.000  0.000  0.000  0.000

 ENTER ITEM NUMBER, RETURN FOR NEXT PAGE, P TO PRINT, A TO ABORT,
 0 TO SAVE
```

Pressing RETURN from this display will result in a display similar to the following:

```
      BJS INPUT PROGRAM FOR DEVICES COSTING MORE THAN $900,000

Locations:  FY 74  NAVSUBSCOL NLON (RDT&E)
            FY 76  NAVSUBTRACENPAC PHARBOR
            FY 80  NAVSUBSCOL NLON

The device will consist of five trainee stations, one instructor con
training computer program and the inclusion of FCS MK 113 Mod 10, an
operator training for officers and fire controlmen in target motion
The Instructor Console will have the capability to monitor, input da
of the five trainee stations during the problem.  The fire control s
of techniques to derive solutions for maneuvering or non-maneuvering
or real time dynamic exercises.  In addition, the training evolution
graphic CRT displays, weapon attack and evaluation (WATE) functions,
resulting in an environment for adaptive training from hardware orie
system operation.  Equipment operation utilizing two or more weapon
resolve a common problem which will enable various fire control equi
maximize system output and provide for sub-team training.


PRESS FN KEY OR STATEMENT NUMBER WHEN FINISHED TEXT EDITING
```

Data entry/edit options are the same as those described in the OVERVIEW under EDIT OPTIONS.

OPTION 2 - INPUT/EDIT DEVICES >$900,000 PROCUREMENT HISTORY. Selecting option 2 from the devices >$900,000 subsystem followed by pressing RETURN will result in the following display:

```
PROCUREMENT HISTORY INPUT PROG. FOR DEV. COSTING MORE THAN $900,000


 OPTION NO.                DESCRIPTION

     1              INPUT DEVICES >900,000 PHS
     2              EDIT DEVICES >900,000 PHS
     3              DELETE DEVICES >900,000 PHS

    99              RETURN TO 900 MENU

 ENTER DESIRED OPTION
```

Selecting option 1 from this menu followed by pressing RETURN will result in the following display:

```
ENTER DEVICE NUMBER TO BE INPUT OR 'ZZ' IF NUMBER UNKNOWN OR RETURN
```

If the device number is currently unknown, the user enters a 'ZZ' and the system assigns a numeric value to create a dummy device number. This dummy device number allows the user access to that record but the dummy device number will not print on any report. When the dummy device number prints on the edit display, the user should make a note of the number for later recalling. The user should remember that the device must be in the budget justification file in order for the procurement history record for that device to print. If the dummy device number created by this program does not match the dummy device number created by the system for the budget justification sheet for the same device, the user should rename the dummy device number on line 1 of the edit display.

Selecting option 2 or 3 from this menu followed by pressing RETURN will result in the following display:

```
ENTER DEVICE NUMBER TO   EDIT    OR RETURN
                         DELETE
```

Selecting options 1 and 2 allow the user to view a single procurement history and program cost breakdown sheet using four displays which each represent a quarter of the single sheet. For options 1 and 2 entering the device number followed by pressing RETURN will result in a display of the first quarter of the sheet similar to the following:

```
 PROCUREMENT HISTORY INPUT PROG. FOR DEV. COSTING MORE THAN $900,000
1  Device Type:  21B63              DATE REV/REV: 11/21/80    PAGE 1
   LINE ITEM/FISCAL YEAR| CONTRACTOR    |METHOD & TYPE| CONTRACTED BY |
2  FY 74 Device 21B63     Hughes Air. Co.   CPIF        NAVTRAEQUIPCEN
3  RDT&E Prototype
4
5  FY 76 Device 21B63     Hughes Air. Co.    FFP        NAVTRAEQUIPCEN
6  GFE(AN/UYK-7) Cmptr
7  Initial Publications
8
9
10
11 FY 80 Device 21B63     Hughes Air. Co.    FFP        NAVTRAEQUIPCEN
12 GFE(AN/UYK-7) Cmptr    NAVSEC
13 Engr. Change Support
14 Initial Publications
15
16
17
18
19
 ENTER ITEM NO., RETURN-NEXT SCREEN, B-LAST SCREEN, P-PRINT, A-ABORT
 O-SAVE, DELETE IN LINE ITEM SPACE TO BLANK OUT LINE, P AND PAGE NO.
 FOR NEXT PAGE
```

Pressing RETURN from this display will result in a display of the second quarter similar to the following:

```
 PROCUREMENT HISTORY INPUT PROG. FOR DEV. COSTING MORE THAN $900,000
 1  Device Type:  21B63              DATE REV/REV: 11/21/80     PAGE 1
  LINE ITEM/FISCAL YR.| RELEASE| AWARD| DEL.| QTY.| UNIT COST| AV.| REV| WHEN
 2 FY 74 Device 21B63              3/74  1/77   1       1816      Yes
 3 RDT&E Prototype                                         0
 4                                                         0
 5 FY 76 Device 21B63              1/76  5/78   1        695      Yes
 6 GFE (AN/UYK-7) Cmptr                                  850
 7 Initial Publications                                   15
 8                                                      -------
 9                                                      1560
10                                                        0
11 FY 80 Device 21B63              1/80  1/81   1       1098      Yes
12 GFE (AN/UYK-7) Cmptr           10/79                 1200
13 Engr. Change Support                                  100
14 Initial Publications                                    2
15                                                      -------
16                                                      2400
17                                                        0
18                                                        0
19                                                        0
ENTER ITEM NO., RETURN-NEXT SCREEN, B-LAST SCREEN, P-PRINT, A-ABORT
O-SAVE, DELETE IN LINE ITEM SPACE TO BLANK OUT LINE, P AND PAGE NO.
FOR NEXT PAGE
```

Pressing RETURN from this display will result in a display of the third quarter similar to the following:

```
 PROCUREMENT HISTORY INPUT PROG. FOR DEV. COSTING MORE THAN $900,000
 1  Device Type:  21B63              DATE REV/REV: 11/21/80     PAGE 1
   LINE ITEM/FISCAL YR.|  CONTRACTOR|  METHOD & TYPE|  CONTRACTED BY
 2
 3
 4
 5
 6
 7
 8
 9
10
11  REMARKS:
ENTER ITEM NO., RETURN-NEXT SCREEN, B-LAST SCREEN, P-PRINT, A-ABORT
O-SAVE, DELETE IN LINE ITEM SPACE TO BLANK OUT LINE, P AND PAGE NO.
FOR NEXT PAGE
```

Pressing RETURN from this display will result in a display of the fourth quarter similar to the following:

```
PROCUREMENT HISTORY INPUT PROG. FOR DEV. COSTING MORE THAN $900,000
1  Device Type:  21863          DATE REV/REV: 11/21/80          PAGE 1
LINE ITEM/FISCAL YR.| RELEASE| AWARD| DEL.| QTY.| UNIT COST| AVL| REV| WHEN
2                                                          0
3                                                          0
4                                                          0
5                                                          0
6                                                          0
7                                                          0
8                                                          0
9                                                          0
10                                                         0
11  REMARKS:

ENTER ITEM NO., RETURN-NEXT SCREEN, B-LAST SCREEN, P-PRINT, A-ABORT
0-SAVE, DELETE IN LINE ITEM SPACE TO BLANK OUT LINE, P AND PAGE NO.
FOR NEXT PAGE
```

There is space in the file for three procurement history and cost breakdown sheets per device. Data entry/edit options are the same as those described in the OVERVIEW under EDIT OPTIONS.

OPTION 3 - INPUT/EDIT DEVICES >$900,000 DETAIL JUSTIFICATIONS. Selecting option 3 of the devices >$900,000 subsystem menu followed by pressing RETURN will result in the following display:

```
DETAIL JUSTIFICATION INPUT PROG. FOR DEV. COSTING MORE THAN $900,000


 OPTION NO.                    DESCRIPTION

     1              INPUT DEVICES >900,000 DJS
     2              EDIT DEVICES >900,000 DJS
     3              DELETE DEVICES >900,000 DJS

    99              RETURN TO 900 MENU

 ENTERED DESIRED OPTION
```

Selecting option 1 from this menu, followed by pressing RETURN, will result in the following display:

```
ENTER DEVICE NUMBER TO BE INPUT OR 'ZZ' IF NUMBER UNKNOWN OR RETURN
```

If the device number is currently unknown, the user enters a 'ZZ' and the system assigns a numeric value to create a dummy device number. This dummy device number allows the user access to that record but the dummy device number will not print on any report. When the dummy device number prints on the display, the user should make a note of the number for later recalling. The user should remember that the device must be in the budget justification file in order for the procurement history record for that device to print. If the dummy device number created by the program does not match the dummy device number created by the system for the budget justification sheet for the same device, the user should rename the dummy device number on line 1 of the edit display.

Selecting option 2 or 3 from this menu will result in the following display:

```
ENTER DEVICE NUMBER TO   EDIT    OR RETURN
                         DELETE
```

For option 2 entering the device number followed by pressing RETURN will result in the following display:

```
DETAIL JUSTIFICATION INPUT PROG. FOR DEV. COSTING MORE THAN $900,000

OPTION NO.                    DESCRIPTION

    1              EDIT ITEM ONE
    2              EDIT NARRATIVE PAGES (1-10)
   99              RETURN TO LAST MENU
ENTER DESIRED OPTION
```

The detail justification sheet consists of a list of end users and up to 10 pages of narrative description. Selecting option 1 from the >$900,000 DJS menu or option 1 from the secondary edit menu will result in a display similar to the following:

```
DETAIL JUSTIFICATION INPUT PROG. FOR DEV. COSTING MORE THAN $900,000
1  Device Type: 21863          FY 80          DATE REV/REV: 11/19/80

NO.      END USER          UIC/AG/SAG    QTY    UNIT COST    TOTAL COST
 2   NAVSUBSCOL NLON                       1         2400          2400
 3                                                      0             0
 4                                                      0             0
 5                                                      0             0
 6                                                      0             0
 7                                                      0             0
 8                                                      0             0
 9                                                      0             0
10                                                      0             0
11                                                      0             0


 ENTER ITEM NO., RETURN-NEXT SCREEN, P-PRINT, A-ABORT, O-SAVE,
 P AND PAGE NO.'(1-10) FOR TEXT PAGES
```

Pressing RETURN from this display will result in a display similar to the following:

```
DETAIL JUSTIFICATION INPUT PROG. FOR DEV. COSTING MORE THAN $900,000
1  Device Type: 21863          FY: 80          DATE REV/REV: 11/19/80

NO.      END USER          UIC/AG/SAG    PE    RS1    RS2    RS3    RS4    RS5
 2   NAVSUBSCOL NLON
 3
 4
 5
 6
 7
 8
 9
10
11


 ENTER ITEM NO., RETURN-NEXT SCREEN, P-PRINT, A-ABORT, O-SAVE,
 P AND PAGE NO.'(1-10) FOR TEXT PAGES
```

Data entry/edit options are the same as those described in the OVERVIEW under EDIT OPTIONS.

Selecting option 2 from the secondary edit menu or entering P and the page number from the prompt line of item 1 will result in a display similar to the following:

```
DETAIL JUSTIFICATION INPUT PROG. FOR DEV. COSTING MORE THAN $900,000
1  Device Type: 21863        FY: 80          DATE REV/REV: 11/19/80
   PAGE 1




PRESS FN KEY OR STATEMENT NUMBER KEY WHEN FINISHED TEXT EDITING. TYPE
ABORT IN FIRST FIVE SPACES OF TEXT TO ABORT WITHOUT SAVING CHANGES
```

Edit options for these text or narrative pages are the same as those described in the OVERVIEW under EDIT OPTIONS with one exception. Ordinarily when a device number is changed on line one of a screen display, the system assumes the user has made an error in entering the key or might be reentering the proper device number over a dummy device number. Since the detail justification sheets involve so much data entry and may be almost identical from year to year, a new feature has been added to this program. When the device number or fiscal year is changed, the screen will display the following below line 1.

```
IS THIS 1) A NEW RECORD YOU WANT TO CREATE OR 2) A RENAMING OF AN
OLD RECORD?
```

If option 1 is selected the data in the record currently displayed will be copied to another location with the new device number and fiscal year, with the old record remaining untouched. If option 2 is selected, the data currently displayed on the screen will be written on top of the record that was called initially.

TRACKING CHANGES. In order to track changes made to the detail justification record between budget submissions, a change file has been linked to the detail justification file. When the user enters a zero to save a detail justification record, the screen will now display:

```
DID YOU MAKE CHANGES YOU WANT TO TRACK (Y/N)?
```

If an N is entered and RETURN pressed, the program will proceed to ask for the next record. If Y is entered and RETURN pressed, the screen will display the data shown in table 2.

TABLE 2. REASON FOR CHANGE TABLE

```
                        REASONS FOR CHANGE

 1  POM INCRMNT          21          41
 2  POM DECRMNT          22          42
 3  DPS                  23          43
 4  NAVCOMPT MARK        24          44
 5  CONGRESSIONAL MARK   25          45
 6  ESCALATION FOR FY    26          46
 7  ONE TIME CHANGE      27          47
 8  INPUT ERROR          28          48
 9                       29          49
10                       30          50
11                       31          51
12                       32          52
13                       33          53
14                       34          54
15                       35          55
16                       36          56
17                       37          57
18                       38          58
19                       39          59
20                       40          60 EDIT REASONS FOR CHANGE

ENTER ITEM CHANGED OR '99' FOR END OF CHANGES
```

After the number of the item changed is entered and RETURN pressed, the screen displays the following:

```
WHO INSTITUTED THIS CHANGE?
```

After this question is answered and RETURN pressed, the screen displays the following:

```
ENTER THE RFC NUMBER
```

The RFC number is a number in the Reason for Change table. If the reason the user needs is in the table, then the user should enter the number to the left of the reason and press RETURN. If one of the first seven reasons is selected, the system will ask for additional information. If the reason for change the user wants to use is not in the table, the user should enter the number to the left of the first blank in the table and press RETURN. The system will then ask for the new reason. When the new reason has been entered, the table will redisplay with the new entry. When the user has entered all changes and entered '99' as the number of the item changed, the screen will display the enter device number prompt.

To edit the reason for change table (only items 9 through 59 may be changed by the user), the user should select number 60 when asked to enter the RFC number. After the table has been edited, the user is then able to enter the correct reason for change for the item changed. When number 60 is entered as the reason for change the system displays the following beneath the table:

```
The options are 1) Initialize the table, 2) Change an entry,
3) Delete an entry, 4) Print the table, 5) Exit.
ENTER THE OPTION NUMBER
```

Initializing the table, option 1, clears reasons 9 through 59 from the table. If option 2, change an entry, is chosen, the user selects a number to change and enters the new reason for change. If option 3, delete an entry, is chosen, the user enters the number beside the reason to be deleted and that reason is blanked out. Option 4, print the table, prints a hard copy of the reason for change table. Option 5, exit, allows the user to get out of the edit table mode.

OPTION 4 - PRINT DEVICES >$900,000 REPORTS. Selecting option 4 from the devices >$900,000 subsystem menu followed by pressing RETURN will result in the following display:

```
        PRINTING BUDGET PACKAGE FOR DEVICES >$900,000

OPTION NO.                    DESCRIPTION

    1          PRINT BUDGET JUSTIFICATION SHEETS ONLY
    2          PRINT PROCUREMENT HISTORY & PLANNING SHEETS ONLY
    3          PRINT DETAIL JUSTIFICATION SHEETS ONLY
    4          PRINT ENTIRE BUDGET PACKAGE FOR DEVICES >$900,000

   99          RETURN TO 900 MENU

ENTER DESIRED OPTION
```

Selecting options 1 through 4 of this menu followed by pressing RETURN, will cause the screen to display the following:

```
        PRINTING BUDGET PACKAGE FOR DEVICES >$900,000

OPTION NO.                    DESCRIPTION

    1                 PRINT ONE DEVICE OR RANGE OF DEVICES
    2                 PRINT SPECIAL PACKAGE
    3                 PRINT ENTIRE FILE

   99                 RETURN TO LAST MENU

ENTER DESIRED OPTION
```

Selecting option 1 will cause the screen to display the following:

```
ENTER STARTING DEVICE NUMBER OR RETURN FOR BEGINNING
```

After this RETURN is pressed, the screen will display the following:

```
ENTER ENDING DEVICE NUMBER OR RETURN FOR ALL
```

After this RETURN is pressed, the screen will display the following:

```
HOW MANY COPIES DO YOU WANT?
```

The purpose of this print option is to allow the user to print a sequential portion of the records on file with the user specifying the starting and ending positions.

Selecting option 2 from the secondary print menu causes the screen to display the following:

```
                CREATE SPECIAL PACKAGE OPTION

 1. 21B63      2.      3.      4.      5.
 6.            7.      8.      9.     10.
11.           12.     13.     14.     15.
16.           17.     18.     19.     20.
21.           22.     23.     24.     25.
26.           27.     28.     29.     30.

      Enter "0" to END input of elements.
```

The user may input up to 30 device numbers to this table in order to print a non-sequential portion of the records on file. This table is sorted prior to print beginning in order to eliminate frequent re-searching, however, only the records specified will be printed. The user enters a zero when he has

finished entering the device numbers.

After entering zero and pressing RETURN the screen will display the following:

```
Are All Entries OK (Y/N)?
```

If N and RETURN are pressed the cursor will move to below the first entry for correction. When zero is entered, the entries OK question will be repeated. If Y and RETURN are pressed, the screen will display the following:

```
HOW MANY COPIES DO YOU WANT?
```

Selecting option 3 from this secondary print menu will allow the user to print all records on file and will cause the screen to display the question above regarding number of copies.

Figure 13 is a sample of a complete devices greater than $900,000 budget package.

OPTION 5 - PRINT DEVICES >$900,000 SUMMARIES. Selecting option 5 from the Devices >$900,000 subsystem menu followed by pressing RETURN will result in the following display:

```
            PRINTING DEVICES >$900,000 SUMMARY

OPTION NO.                    DESCRIPTION

    1          PRINT BUDGET JUSTIFICATION FILE SUMMARY
    2          PRINT PROCUREMENT HISTORY KEYS
    3          PRINT DETAIL JUSTIFICATION KEYS
    4          PRINT ALL OF THE ABOVE

   99          RETURN TO 900 MENU

ENTER DESIRED OPTION
```

The purpose of this option is to print a summary of the records in each of the three files in the Devices >$900,000 subsystem. It should be noted here that the file for the budget justification sheets for devices costing more than $900,000 acts as a reference file for the other two files. This means that if a record is not on file in the budget justification file, it will not print a procurement history or detail justification even if all its data are in these

NAVMAT FORM 7110/1 (7-70) — OTHER PROCUREMENT, NAVY — BUDGET ITEM JUSTIFICATION SHEET — DATE: JULY 1980

BUDGET ACTIVITY 7 P&CSE
7: Personnel and Command Support Equipment

P-1 ITEM NOMENCLATURE
0001 Device 14A2 (Series) Mods

	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985	FY 1986
QUANTITY		1	3				
COST (in millions)	$	$ .917	$ 1.516	$	$	$	$

Locations: FY 81 FLEASWTRACENPAC SDIEGO
FY 82 FLEASWTRACENLANT NORVA
FY 82 FLEMINEWARTRACEN CHASN
FY 82 FLETRAGRUC PHARBOR

Device 14A2's (series) were procured in the 1960-1970 period to support ASW team training. During the past few years changes in Fleet tactics, ship types, weapons, sonars, and underwater fire control systems have caused a buildup of required changes to bring the 14A2 Series configuration and training characteristics into consonance with Fleet configurations. The various proposed modifications resulting from this situation have been prioritized and will be coordinated with the results of a 14A2 life cycle supportability study. The resulting update effort will modify individual 14A2 devices to improve their reliability/maintainability and to improve their compatibility with current Fleet configuration. In addition, it will permit further update as may be necessary in response to emerging requirements for additional training characteristics changes.

EXHIBIT P-40 — P-1 SHOPP. LIST ITEM NO. 0001 — PAGE NO. 1

Figure 13. Sample Devices > $900,000 Budget Package

NAVMAT FORM 7110/3 (9-70) — OTHER PROCUREMENT, NAVY — PROCUREMENT HISTORY & PLANNING — DATE: JULY 1980

BUDGET ACTIVITY 7 P&CSE
7: Personnel and Command Support Equipment

P-1 ITEM NOMENCLATURE
0001 Device 14A2 (Series) Mods

LINE ITEM/FISCAL YEAR	CONTRACTOR	CONTRACT METHOD AND TYPE	CONTRACTED BY	P/R RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ	IF YES, WHEN AVAIL
FY 81 Device 14A2 MODS	Unknown	C	NAVTRAEQUIPCEN		1/81	7/82	1	917	Yes		
FY 82 Device 14A2 MODS	Unknown	SS	NAVTRAEQUIPCEN		12/81	11/82	3	1,516	Yes		

REMARKS:

Figure 13. Sample Devices>$900,000 Budget Package (continued)

DETAIL JUSTIFICATION FOR TRAINING DEVICES
Appropriation: OPN
Budget Activity: 7:P&CSE

P-1 No.	Item Nomenclature	Device No.	End User	UIC	FY	QTY	Unit Cost ($000)	Total Cost ($000)
U001	(Series) Mods	14A2	FLEASWTRACENLANT NORVA FLEMINEWARTRACEN CHASN FLETRAGRU PHARBOR	12345F3FG	82	3	505	1,516

2. DESCRIPTION AND PURPOSE OF ITEM: Device 14A2's (series) were procured in the 1960-1970 period to support ASW team training. During the past few years changes in Fleet tactics, ship types, weapons, sonars, and underwater fire control systems have caused a buildup of required changes to bring the 14A2 Series configuration and training characteristics into consonance with Fleet configurations. The various proposed modificatoins resulting from this situation have been prioritized and will be coordinated with the results of a 14A2 life cycle supportability study. The resulting update effort will modify individual 14A2 devices to improve their reliability/maintainability and to improve theIR compatibility with current Fleet configuration. In addition, it will permit further update as may be necessary in response to emerging requirements for additional training characteristics changes.

3. TRAINING OBJECTIVE/REQUIREMENT: The objective of this program is to extend the life of the 14A2 (Series) devices to match the expected service life of the FF 1052/1078 Class ships, thereby providing the means to train evaluators, bridge officers, MK 53 attack console operators, ASW officers, CIC officers,plotters, phonetalkers, etc.

4. IMPACT IF NOT PROVIDED: The 14A2 (Series) devices are obsolescent. Failure to implement this modification program will leave no means to train non-NTDS equipped ASW ships in tactics and equipment operation, thus resulting in severely degraded ASW combat readiness for 50 ships.

5. ALTERNATIVES:

Alternatives Considered Before Purchase of Device Determination	Reason for Rejection
At-sea training	Too costly plus required services not available

6. MODIFICATION: Update of 14A2 (Series) device.

7. OTHER SIMILAR ITEMS IN USE OR UNDER PROCUREMENT WHICH PROVIDE THIS TYPE TRAINING: None.

Figure 13. Sample Devices >$900,000 Budget Package (continued)

8. A. UTILIZATION AND WORKLOAD FACTORS:

(1) Same as basic device.

(2) Same as basic device.

B. OPERATOR/MAINTENANCE PERSONNEL REQUIREMENTS: Same as basic device.

9. PROCUREMENT/COST DATA ($000):

A. Training Device

Procurement Agent	Contractor	Type of Contract	Cost Elements	Cost Estimate ($000) (3 Units)
NAVTRAEQUIPCEN	Sole Source (Exercise option in FY 81 contract)	FP	Engineering	266
			Material	250
			Computer Hardware(CFE)	0
			Computer Software	10
			Manufacturing	220
			Installation and Test	200
			Integrated Logistic Support	
			Maintainability Program and Rel	10
			Contractor Engineering & Tech Svc.	150
			Technical Publications	200
			Provisioning	20
			Interim Support	30
			Incentive Payment Liability (IPL)	0
			Curricula	0
			SUBTOTAL OF CONTRACT	1356
			Computer (GFE)	0
			Engineering Change Support	100
			Initial Publications	20
			Technical Support	40
			SUBTOTAL - OPN (BA-7)	1516

Figure 13. Sample Devices >$900,000 Budget Package (continued)

B. Government Furnished Equipment (GFE): None

C. RDT&E,N: None

GRAND TOTAL 1516

10. PROCUREMENT PLAN:

	FLEASWTRACENLANT	FLETRAGRU PEARL	FLEMINEWARTRACEN
Contract Award	Dec 1981	Dec 1981	Dec 1981
Planned Provisioning Conference Date	TBD	TBD	TBD
Contractor Delivery and Installation Start	12 Mos ADOC(Dec 82)	18 Mos ADOC(Jun 83)	24 Mos ADOC(Dec 83)
Complete Installation/Complete Checkout	17 Mos ADOC(May 83)	21 Mos ADOC(Sep 83)	27 Mos ADOC(Mar 84)
Navy Acceptance	18 Mos ADOC(June83)	22 Mos ADOC(Oct 83)	28 Mos ADOC(Apr 84)
Navy Support Date	30 Mos ADOC(Jun 84)	34 Mos ADOC(Oct 84)	40 Mos ADOC(Apr 85)

11. ESTIMATED LIFE CYCLE OF ITEM:

A. Usable Life of Equipment Without Major Modernization: 12 Years

B. Anticipated Changes: None

12. FACILITY REQUIREMENTS: 3,264 sq. ft. (space is available)

A. MILCON: N/A

B. O&MN: N/A

13. COST DISCIPLINE:

A. Date Cost Estimate Prepared: June 1980

B. Cost Estimate Developed By: CNET

C. Purpose of Estimate: FY 1982 NAVCOMPT

D. Assumption Upon Which Estimate Based: Engineering Estimate. Cost elements include a 7.4% inflation factor relative to FY 81 base.

Figure 13. Sample Devices >$900,000 Budget Package (continued)

DETAIL JUSTIFICATION FOR TRAINING DEVICES
Appropriation: OPN
Budget Activity: 7:P&CSE

1. P-1 No.	Item Nomenclature	Device No.	End User	UIC	FY	QTY	Unit Cost ($000)	Total Cost ($000)
0001	(Series) Mods	14A2	FLEASWTRACENPAC	12345	81	1	917	917

2. DESCRIPTION AND PURPOSE OF ITEM: Devices 14A2 (series) were procured in the 1960-1970 period to suport ASW team training. During the past few years changes in Fleet tactics, ship types, weapons, sonars, and underwater fire control systems have caused a buildup of required changes to bring the 14A2 series configuration and training characteristics into consonance with Fleet configurations. This update program will correct existing deficiencies in the maintainability and reliability of the 14A2 device and will improve compatibility with current Fleet configuration. This program will also provide the required computer capacity to accommodate future expanded requirements including integration with active and passive sonar trainers for coordinated team training.

3. TRAINING OBJECTIVE/REQUIREMENT: The 14A2 series devies and the various devices associated with them are the primary means of providing ASW team training and sonar operator training to non-NTDS ASW ships. The increased emphasis on passive sonar has generated a serious training deficiency for SIG and Officer training in equipment operation and tactical employment. The accomplishment of the update will extend the life of the 14A2 to match the expected service life of the FF 1052/1078 class ships, thereby providing a means to train bridge officers, evaluators, active and passive sonar operators and supervisors, MK 56 attack console operators, ASW officers, CIC officers, plotters, phonetalkers, air controllers, and other ASW attack team personnel.

4. IMPACT IF NOT PROVIDED: The 14A2 series is obsolescent. Failure to implement the update will leave no means to train non-NTDS equipped ASW ships in the new tactics or equipment operation required by the new emphasis on passive sonars.

Figure 13. Sample Devices >$900,000 Budget Package (continued)

5. ALTERNATIVES
Alternatives considered before Purchase of Device Determination | Reason for Rejection

a. Development of new device | a. Too costly

b. At-sea training | b. Too costly, plus required submarine services not available.

6. NEW ITEM: Update

7. OTHER SIMILAR ITEMS IN USE OR UNDER PROCUREMENT WHICH PROVIDE THIS TYPE TRAINING: None

8. A. UTILIZATION AND WORKLOAD FACTORS

	Av. Student Hrs. per Mo.	Av. Device Hrs. per Mo.
(1) Training		
(a) Students in Formal Courses (55 students x 40 hrs/mo)	2,240	150
(b) Training of Insructor/Staff Personnel (3 students x 2 hrs/mo)	6	2
(c) Training of Fleet Personnel (60 students x 20 hrs/mo)	1,600	105
(d) Scheduled Inactive Reservist Training	0	0
(e) Other	0	0
TOTAL	3,846	257

Figure 13. Sample Devices > $900,000 Budget Package (continued)

(2) Maintenance — Manhours per Month

(a) Scheduled Preventive Maintenance	792
(b) Unscheduled Corrective Maintenance	112
TOTAL	904

8. OPERATOR/MAINTENANCE PERSONNEL REQUIREMENTS

	On Board	Additional Required
Operators/Instructors	8	0
Maintenance	9	0
Navy Field Representatives	1	0
Contractor Technicians	0	0
TOTAL	18	0

9. PROCUREMENT/COST DATA ($000):

A. Training Device

Procurement Agent	Contractor	Type of Contract	Cost Elements	Cost Estimate
NAVTRAEQUIPCEN	Unknown	Competitive	Engineering	593
			Material	-
			Computer Hardware(CFE)	-
			Computer Software	-
			Manufacturing	-

Figure 13. Sample Devices > $900,000 Budget Package (continued)

Procurement/Cost Data ($000) (Cont'd)

Cost Elements	Cost Estimate
Installation	-
Integrated Logistic Support	254
Maintainability Program	-
Contractor Engineering & Tech Svcs.	-
Technical Publications	-
Provisioning	-
Interim Support	-
Incentive Payment Liability (IPL)	-
SUBTOTAL OF CONTRACT	847
Computer (GFE)	-
Engineering Change Support	40
Initial Publications	10
Technical Support	20
SUBTOTAL - OPN (BA7)	917

B. Government Furnished Equipment (GFE) - None

C. RDT&E - None

GRAND TOTAL 917

10. PROCUREMENT PLAN:

Contract Award	December 1980
Planned Provisioning Conference Date	11 mos ADOC (Nov 81)
Contractor Delivery and Installation Start	12 mos ADOC (Dec 81)

Figure 13. Sample Devices > $900,000 Budget Package (continued)

Procurement Plan (Cont'd)

Complete Installation	15 mos ADOC (Mar 82)
Complete Checkout	17 mos ADOC (May 82)
Navy Acceptance	18 mos ADOC (Jun 82)
Navy Support Date	30 mos ADOC (Jun 83)

11. ESTIMATED LIFE CYCLE OF ITEM:

A. Usable Life of Equipment Without Major Modernization: 12 years after update

B. Anticipated Changes: None

12. FACILITY REQUIREMENTS:

A. MILCON - N/A

B. O&MN Funding - N/A

13. COST DISCIPLINE:

A. Date Cost Estimate Prepared:	Jun 1980
B. Cost Estimate Developed By:	CNET
C. Purpose of Estimate	FY 1982 NAVCOMPT SUBMISSION
D. Assumption Upon Which Estimate Based:	Engineering estimate. Cost estimate includes a 12.2% inflation factor relative to a FY 79 base.

Figure 13. Sample Devices > $900,000 Budget Package (continued)

latter two files. The reasoning behind this is that the budget justification file contains the P-1 number and the item nomenclature for the device and these are both required by the procurement history and detail justification sheets.

The summary print option prints the device numbers, P-1 numbers, and item nomenclature of records in the budget justification file. From the procurement history file, the device numbers on file are printed. The device numbers and related fiscal years on file are printed from the detail justification file. Figure 14 is an example of this printout.

OPTION 6 - PRINT DEVICES >$900,000 CHANGE FILE. Selecting option 6 from the Devices >$900,000 subsystem menu, followed by pressing RETURN will allow the user to print the records in the detail justification change file. Selection of this option causes the screen to display:

```
        PRINTING CHANGE FILE FOR DEVICES >$900,000
OPTION NO.                    DESCRIPTION
   1                PRINT CHANGE FILE RECORDS
  99                RETURN TO 900 MENU
ENTER DESIRED OPTION
```

Selecting option 1 from this menu, followed by pressing RETURN causes the screen to display the following:

```
ENTER STARTING DEVICE NUMBER OR RETURN FOR BEGINNING
```

After RETURN is pressed, the screen will display the following:

```
ENTER ENDING DEVICE NUMBER OR RETURN FOR ALL
```

After RETURN is pressed, the system will begin printing the report shown in figure 15.

SUMMARY OF RECORDS ON FILE IN BUDGET JUSTIFICATION FILE FOR DEVICES COSTING MORE THAN $900,000

Device: 11G2	P-1 Number: 0201	Item Nomenclature: Close In Weapon System Maintenance Trainer
Device: 14A2	P-1 Number: 0001	Item Nomenclature: (Series) Mo ds
Device: 14E25A	P-1 Number: 0101	Item Nomenclature: AN/SQS-53 T actical Team Trainer
Device: 14E28	P-1 Number: 0011	Item Nomenclature: AN/SQS-56 Sonar Operator Trainer
Device: 14E31	P-1 Number: 0191	Item Nomenclature: Series Basic Sonar Operator
Device: 15F12	P-1 Number: 0111	Item Nomenclature: Series Radar Navigation Trainer
Device: 19F1/19F2	P-1 Number: 0081	Item Nomenclature: Firefighting Trainer
Device: 20H5/H6/H7	P-1 Number: 0121	Item Nomenclature: Engineering Control Systems
Device: 2Z01	P-1 Number: 0131	Item Nomenclature: Series Submarine Combat System Trainer
Device: 21B63	P-1 Number: 0021	Item Nomenclature: Generalized Individual Fire Control Operator Trainer

SUMMARY OF RECORDS ON FILE IN PROCUREMENT HISTORY FILE FOR DEVICES COSTING MORE THAN $900,000

Device: 14A2
Device: 14E28
Device: 21B63
Device: 2Z01

SUMMARY OF RECORDS ON FILE IN DETAIL JUSTIFICATION FILE FOR DEVICES COSTING MORE THAN $900,000

Device: 14A2	FY: 81
Device: 14A2	FY: 82
Device: 14E28	FY: 81
Device: 14E28	FY: 82
Device: 21B63	FY: 80

Figure 14. Sample of Devices >$900,000 Summary

PRINTOUT OF CHANGE FILE FOR DETAIL JUSTIFICATIONS FOR DEVICES COSTING MORE THAN $900,000 02/20/81

DEVICE	FY	CHANGE NO.	ITEM CHANGED	CHANGE DATE	WHO INITIATED CHANGE	REASON FOR CHANGE
14A2	82	1	02	01/30/81	OP-05	MORE INFORMATION NECESSARY
14A2	82	4	01	02/01/81	OP-06	FUNDING CUT
14A2	82	5	08	02/02/81	OP-29	MORE INFORMATION NECESSARY

Figure 15. Sample > $900,000 Change File Print

OPTION 7 - EDIT DEVICES >$900,000 CHANGE FILE. Selecting option 7 from the Devices >$900,000 subsystem menu, followed by pressing RETURN will cause the screen to display the following:

```
     **** DETAIL JUSTIFICATION CHANGE FILE EDIT PROGRAM ****
 OPTION NO.                      DESCRIPTION

    1                  EDIT A RECORD
    2                  DELETE A RECORD
    3                  CHANGE A REASON FOR CHANGE
    4                  DELETE A REASON FOR CHANGE
    5                  EDIT/PRINT REASON FOR CHANGE TABLE

   99                  RETURN TO 900 MENU

 ENTER DESIRED OPTION
```

Selecting option 1 or 2 followed by pressing RETURN will cause the screen to display:

```
ENTER DEVICE NUMBER TO  EDIT   OR RETURN
                        DELETE
```

After RETURN is pressed the screen will display the following:

```
ENTER THE FY
```

Pressing RETURN will cause the screen to display:

```
ENTER THE CHANGE NUMBER
```

If option 2 has been selected, the specified change record will be deleted from the change file. If option 1 is selected, the reason for change table is displayed (see table 2) and the user is asked to enter the new reason for change. Once the new reason has been entered and the RETURN is pressed, the specified change record will be saved with the new reason for change.

Selecting option 3 or 4, from the change file edit menu, followed by pressing RETURN, will cause the screen to display the following:

```
WHAT IS THE RFC TO BE CHANGED/DELETED?
ENTER THE RFC OR RFC TABLE NUMBER
```

For option 3, entering the reason for change causes the screen to display:

ENTER THE NEW REASON FOR CHANGE

When the user enters the new reason, the system updates all change records, changing the old reason for change to the new reason for change.

For option 4 of the change file edit menu, entering the reason for change causes the system to delete all change records from the file which have that reason for change.

Selecting option 5 from the change file edit menu allows the user to edit or print the reason for change table. This option was discussed in detail in the section which describes editing the Devices >$900,000 detail justification file.

EXHIBIT P-1 SUBSYSTEM (MASTER MENU OPTION 5)

Figure 16 shows the various options available to the user of the Exhibit P-1 subsystem.

Selecting option 5, Exhibit P-1, from the Master Menu, followed by pressing RETURN, will result in the following display:

```
*** CNET-N6     EXHIBIT P-1 SUBSYSTEM MENU     ***  12/10/80 1 B50

OPTIONS >

   1      -  Print Exhibit P-1                          (OPN.PRNT)
   2      -  Renumber P-1 Numbers                       (P-1 RNBR)
  99      -  RETURN TO MASTER MENU                      (PROCURE)

Enter Option:
```

OPTION 1 - PRINT EXHIBIT P-1. Selecting option 1 from this menu, followed by pressing RETURN, will result in the following display:

```
                PRINTING EXHIBIT P-1 FOR OPN BUDGET

OPTION NO.                        DESCRIPTION
   1                  PRINT EXHIBIT P-1
  99                  RETURN TO P-1 MENU
ENTER DESIRED OPTION
```

Selecting option 1 from this menu followed by pressing RETURN will cause the screen to display:

```
HOW MANY COPIES DO YOU WANT?
```

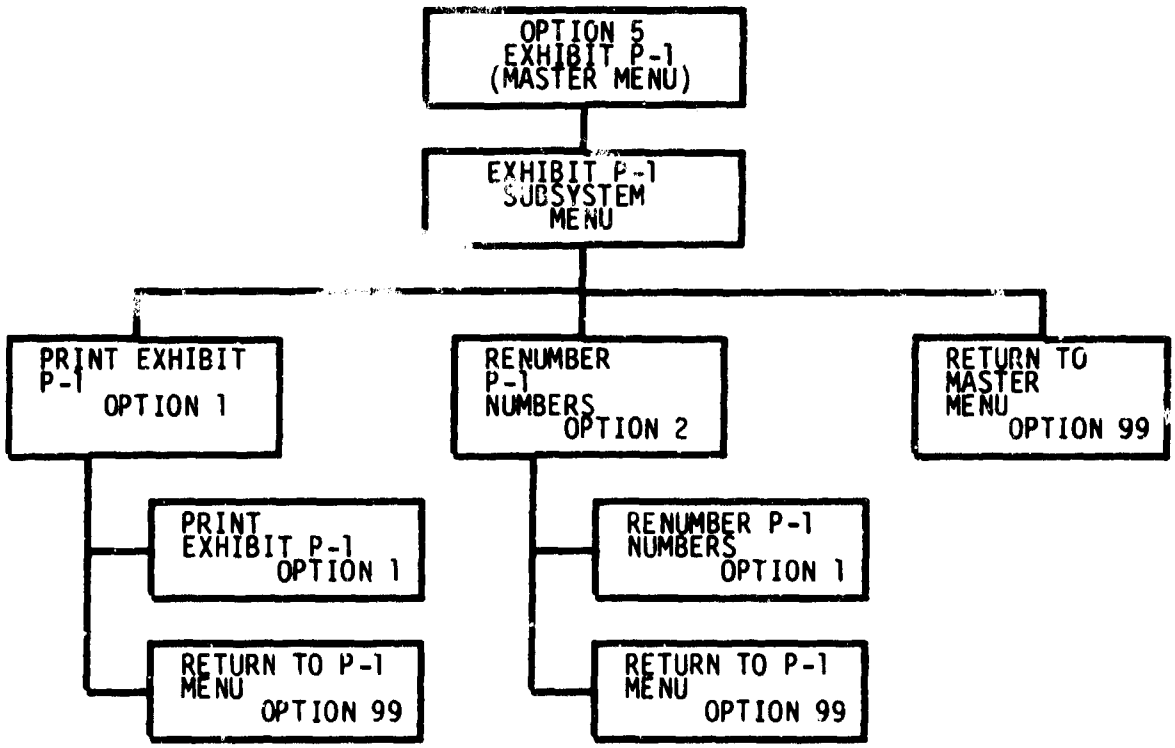

Figure 16. Exhibit P-1 Subsystem

After this question is answered and RETURN is pressed, the report will be printed. Figure 17 shows a sample of EXHIBIT P-1.

OPTION 2 - RENUMBER P-1 NUMBERS. Selecting option 2 from the Exhibit P-1 subsystem menu will cause the screen to display the following:

```
              RENUMBERING P-1 NO. FOR OPN BUDGET

OPTION NO.                    DESCRIPTION
   1                RENUMBER P-1 NUMBERS
  99                RETURN TO P-1 MENU

ENTER DESIRED OPTION
```

The purpose of this program is to allow the user to renumber the P-1 numbers on file in all budget justification files sequentially starting at one point and ending at a chosen point in a specified increment.

Selecting option 1 from this menu followed by pressing RETURN will cause the screen to display the following as each successive RETURN is pressed:

```
ENTER STARTING P-1 NO. OR RETURN FOR FIRST  1
ENTER ENDING P-1 NO. OR RETURN FOR ALL  15
ENTER NEW STARTING P-1 NO. OR RETURN FOR 1?  10
ENTER INCREMENT OR RETURN FOR 1?  5
```

Once the final RETURN is pressed, the renumbering will begin and the screen will display the device number or file name being renumbered.

[illegible] NAVY BUDGET SUBMISSION

EXHIBIT P-1
CODY 1980

PROCUREMENT PROGRAM
($ in Millions)

Appropriation: Other Procurement, Navy
Training Devices and Support Equipment

Budget Activity 7: Personnel and Command Support Equipment

P-1 NO.	Item Nomenclature	FY 1980 QTY	FY 1980 COST	FY 1981 QTY	FY 1981 COST	FY 1982 QTY	FY 1982 COST
	MINIMUM						
1	Device 14A2, (Series) Mods				.917		1.516
2	Device 14E28, AN/SQS-56 Sonar Operator Trainer		1.730		2.569		2.825
3	Device 21B63, Generalized Individual Fire Control Operator Trainer						2.400
4	Training Device Modifications		1.360		.820		1.981
5	Spare Parts (Initial)		2.009		1.371		3.367
6	MK-23 TAS Operator Trainer		1.300				
7	SLQ-32 Operator Trainer		1.200				
8	Device 7B3, Submarine Advanced Signal Training System						2.815
9	Device 19F1/19F2, Firefighting Trainer						2.606
10	Harpoon Operator Trainer		2.200				
11	Device 14E25A, AN/SQS-53 Tactical Team Trainer		5.095				
12	Device 15F12, Series Radar Navigation Trainer		1.500		4.100		9.459
13	Device 20H5/H6/H7, Engineering Control Systems		4.260		2.024		2.627
14	Device 21A40, Series Submarine Combat System Trainer		4.835				6.516

Page 1 of 2

Figure 17. Sample Printout of Exhibit P-1

PROCUREMENT PROGRAM
($ in Millions)

Appropriation: Other Procurement, Navy
Training Devices and Support Equipment

Budget Activity 7: Personnel and Command Support Equipment

P-1 NO.	Item Nomenclature	FY 1980 QTY	FY 1980 COST	FY 1981 QTY	FY 1981 COST	FY 1982 QTY	FY 1982 COST
	MINIMUM (Continued)						
15	MK-92 Fire Control System Maintenance Trainer				6.000	1	3.153
16	Device 21B64, AN/BQQ-5 Sonar Operator Team Trainer		10.000		10.999		9.561
17	Device 21C6, Submarine Damage Control Trainer						.967
18	Device 21C7, Submerged Ship Control Trainer		2.317				
19	Device 21D3, Swimmer Delivery Vehicle Trainer		2.600				
20	Device 14E31, Series Basic Sonar Operator Trainer		1.620				
21	Device 11G2, Close In Weapon System Maintenance Trainer				.980		4.208
22	Training Support Equipment		2.400		2.900		3.900
	TOTAL MINIMUM		44.425		32.680		57.901

Figure 17. Sample Printout of Exhibit P-1 (continued)

Technical Memorandum 81-3

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Information Exchanges

DTIC (12 copies)
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